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Country	Compound	WWTP Influent (ng/L)	WWTP Effluent (ng/L)	Groundwater (ng/L) or Other	Surface water (ng/L)	Type of Surface Water	Reference (69)
Egypt	17 β estradiol	NA	165	NA	NA	NA	(Abdallah et al., 2019)
Tunisia	17 β estradiol	1-2 ng/L	0-50	NA	NA	NA	(Belhaj et al., 2014)
Israel	17 β estradiol	1	0.07	NA	NA	NA	(Chafi et al., 2022)
Morocco	17 β estradiol	NA	NA	NA	36-184	Seawater	(Dotan et al., 2016)
Palestine	17 β estradiol	nd	nd	NA	NA	NA	(Dotan et al., 2016)
Egypt	17 β estradiol	1.03E+06	684000	NA	480000-900000	Lake	(Elnwishy et al., 2012)
Jordan	17 β estradiol (yeast estronegic screen)		9.5	NA	1.4-2.9	river and tap water	(Akkam et al., 2023)
UAE	Acebutolol	3.92	NA	NA	NA	NA	(Salem et al., 2012)
Egypt	Acetaminophen	NA	978-15947	NA	144-954	River	(Abdallah et al., 2019)
Saudi Arabia	Acetaminophen	12300-12400	73-157	NA	NA	NA	(Al Qarni et al., 2016)
Saudi Arabia	Acetaminophen	NA	NA	NA	0.6-2363	Seawater	(Alajmi, 2014)
Israel	Acetaminophen	NA	NA	5.9 (irrigation)	NA	NA	(Ali et al., 2017)
Jordan	Acetaminophen	14891-24309	7.9-68	NA	39-5916	River	(Álvarez-Ruiz et al., 2020)
Iraq	Acetaminophen	NA	NA	NA	115-12100	River	(Chafi et al., 2022)
Kuwait	Acetaminophen	2086	NA	NA	NA	NA	(Doummar & Aoun, 2018b)
Lebanon	Acetaminophen	NA	7200 (not treated)	<5	24-1000	River	(Fries et al., 2016)
Morocco	Acetaminophen	NA	NA	NA	<0.03-102	River/Estuary	(Gevao et al., 2021)
Kuwait	Acetaminophen	NA	NA	NA	6.6-21428.7	Seawater	(Merhabi et al., 2021)
Saudi Arabia	Acetaminophen	NA	NA	NA	105.06-721.98	Wetlands	(Ben Mordechay et al., 2021)
Tunisia	Acetaminophen	NA	NA	NA	392-98300	River	(Moslah et al., 2018)
Tunisia	Acetaminophen	NA	NA	0.52-24.28	NA		(Khezami et al., 2024)
Palestine	Acetaminophen	NA	NA	NA	20100	River	(Nödler et al., 2014)
Israel	Acetaminophen	NA	NA	NA	14000	River	(Pico et al., 2020)
Lebanon	Acetaminophen	NA	NA	NA	nd-242	River	(Semreen et al., 2019)
UAE	Acetaminophen	145250	5235	NA	NA	NA	(Shigei et al., 2021)
UAE	Acetaminophen	NA	0.91	NA	2.73	Seawater	(Semerjian et al., 2023)
Tunisia	Acetaminophen	NA	450-1050	NA	NA	NA	(Shraim et al., 2017)
Tunisia	Acetaminophen	1155-1208	409	NA	NA	NA	(Wilkinson et al., 2022)
Israel	Acetaminophen	NA	NA	NA	12	Seawater	(Wilkinson et al., 2022)
Saudi Arabia	Acetaminophen	NA	NA	NA	105.1-3069.1	Lake	(Wilkinson et al., 2022)
Saudi Arabia	Acetaminophen	3610-99600	44800-90500	NA	NA	NA	(Wilkinson et al., 2022)
Morocco	Acetylsalicylic acid (Aspirin)	NA	NA	NA	28-190	River/Estuary	(Chafi et al., 2022)
Kuwait	Albendazole	NA	NA	NA	35.2	Seawater	(Gevao et al., 2021)
Tunisia	Albuterol	45-140	36-75	NA	NA	NA	(Afsa et al., 2019)
Kuwait	Albuterol	NA	NA	NA	<0.2	Seawater	(Gevao et al., 2021)
Saudi Arabia	Alprazolam	NA	NA	NA	286-389.47	Wetlands	(Álvarez-Ruiz et al., 2020)
Iran	Alprazolam	1.88	2.21-6.46	NA	NA	NA	(Golbaz et al., 2023)
Tunisia	Alprazolam	NA	NA	4.85-6.21	NA	NA	(Khezami et al., 2024)
Israel	Alprazolam	NA	NA	0.6 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Saudi Arabia	Alprazolam	NA	NA	NA	389.4	Lake	(Pico et al., 2020)
Tunisia	Amikacin	2100-2300	1000-1800	NA	100-1200	Seawater	(Tahrani et al., 2016)
Tunisia	Amikacin	500-7500	700-5400	NA	100-1500	Seawater	(Tahrani et al., 2016)
Tunisia	Amitriptyline	15-51	19-110	NA	10	Seawater	(Afsa et al., 2019)
Saudi Arabia	Amitriptyline	NA	12-1430	NA	NA	NA	(Alidina et al., 2014)
Israel	Amitriptyline	NA	NA	NA	12.5	River	(Wilkinson et al., 2022)
Tunisia	Amitriptyline	NA	NA	NA	17.3-27.8	River	(Wilkinson et al., 2022)
Kuwait	Amlodipine	NA	NA	NA	1.8	Seawater	(Gevao et al., 2021)
Jordan	Amlodipine	5.8-11	2.2-6.4	NA	<1-3.5	River	(Shigei et al., 2021)
Egypt	Amoxicilin	NA	29-2038	NA	24-28	River	(Abdallah et al., 2019)
Qatar	Amoxicilin	<0.1-0.79 (HWW)	<0.1-32.18 (WWT)	NA	NA	NA	(Al Maadheed, 2016)
Qatar	Amoxicilin	66-280	<10-84	NA	NA	NA	(Al-Maadheed et al., 2019)
UAE	Amoxicilin	NA	47.62	NA	7.03	Seawater	(Semerjian et al., 2023)
Lebanon	Amoxicilin	NA	NA	NA	(<20) 32-220	River	(Doummar & Aoun, 2018b)
Lebanon	Amoxicilin	NA	NA	NA	250	River	(Mounzer et al., 2024)
Iran	Amoxicilin	<10-100	<1-10	NA	0.8-3.6	Seawater	(Kafaei et al., 2018)
Iran	Amoxicilin	<100-600	<100	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Amoxicilin	332-586	94-97	NA	31-51	River	(Mirzaei et al., 2019)
UAE	Ampicillin	NA	1.25	NA	NA	NA	(Semerjian et al., 2023)
Tunisia	Ampicillin	53.33-75.4	16.67-30.04	NA	NA	NA	(Harrabi et al., 2018)

Tunisia	Atenolol	2400-5900	2100-2900	NA	NA	NA	(Afsa et al., 2019)
Saudi Arabia	Atenolol	329-730	46-55	NA	NA	NA	(Al Qarni et al., 2016)
Saudi Arabia	Atenolol	NA	NA	NA	0.5-77.5	Seawater	(Ali et al., 2017)
Saudi Arabia	Atenolol	NA	13-2760	NA	NA	NA	(Alidina et al., 2014)
Saudi Arabia	Atenolol	NA	NA	NA	75.05-326.97	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Atenolol	294-325	168-231	NA	NA	NA	(Mostafa et al., 2023)
Lebanon	Atenolol	NA	NA	NA	(<5)13	River	(Doummar & Aoun, 2018b)
Tunisia	Atenolol	2000	650-900	NA	800-900	River	(Fries et al., 2016)
Tunisia	Atenolol	NA	NA	0.48			(Khezami et al., 2024)
Kuwait	Atenolol	NA	NA	NA	5.7-1279.4	Seawater	(Gevao et al., 2021)
Lebanon	Atenolol	NA	NA	NA	nd-93	River	(Merhabi et al., 2021)
Israel	Atenolol	NA	NA	41.5 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Atenolol	62-2198	420-1244	NA	NA	NA	(Moslah et al. 2018)
Saudi Arabia	Atenolol	NA	NA	NA	327	Lake	(Pico et al., 2020)
UAE	Atenolol	234.28	NA	NA	NA	NA	(Salem et al., 2012)
Jordan	Atenolol	1723-1952	81-110	NA	1.1-572	River	(Shigei et al., 2021)
Saudi Arabia	Atenolol	1040-4030	1030-2010	NA	NA	NA	(Shraim et al., 2017)
Tunisia	Atenolol	NA	NA	NA	10.7-2040	River	(Wilkinson et al., 2022)
Israel	Atenolol	NA	NA	NA	1090-3900	River	(Wilkinson et al., 2022)
Iraq	Atenolol	NA	NA	NA	7.27-209	River	(Wilkinson et al., 2022)
Palestine	Atenolol	NA	NA	NA	61.7-250	River	(Wilkinson et al., 2022)
Saudi Arabia	Atorvastatin	NA	NA	NA	23.55-360.36	Wetlands	(Álvarez-Ruiz et al., 2020)
Kuwait	Atorvastatin	NA	NA	NA	12.1	Seawater	(Gevao et al., 2021)
Saudi Arabia	Atorvastatin	NA	NA	NA	23.5-474.7	Lake	(Pico et al., 2020)
Lebanon	Azithromycin	NA	NA	NA	10.8-377.7	River	(Azzi et al., 2021)
Palestine	Azithromycin	0.3-77.7	0.3-25.1	NA	0.3-27.6	Pond	(Craddock et al., 2019)
Kuwait	Azithromycin	NA	NA	NA	<0.2-85.7	Seawater	(Gevao et al., 2021)
Tunisia	Azithromycin	NA	NA	11.34-54.21			(Khezami et al., 2024)
Tunisia	Azithromycin	110.03-135.45	143.33-156.67	NA	NA	NA	(Harrabi et al., 2018)
Iran	Azithromycin	<10-25	<6	NA	0.23-3.16	Seawater	(Kafaei et al., 2018)
Iran	Azithromycin	<40	<200	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Azithromycin	0-43	14.5-233	NA	52-64	River	(Mirzaei et al., 2019)
Israel	Azithromycin	NA	NA	23.6 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Bezafibrate	NA	1490	NA	NA	NA	(Chefetz et al., 2008)
Tunisia	Bezafibrate	NA	NA	NA	50	River	(Fries et al., 2016)
Tunisia	Bezafibrate	NA	NA	1.54-1.89			(Khezami et al., 2024)
Kuwait	Bezafibrate	NA	NA	NA	1.8-1620.6	Seawater	(Gevao et al., 2021)
Israel	Bezafibrate	NA	<20-99	NA	NA	NA	(Lakretz et al., 2017)
Israel	Bezafibrate	NA	NA	31.4 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Bezafibrate	NA	NA	NA	3.8	Seawater	(Nödler et al., 2014)
Jordan	Bezafibrate	NA	<50-430	NA	<20-390	River	(Tiehm et al., 2011)
Jordan	Bezafibrate	NA	480 (195 median)	NA	390 (89 median)	River	(Zemann et al., 2014)
Jordan	Bezafibrate	NA	480 (270 median)	NA	89 (26 median)	River	(Zemann et al., 2015)
Israel	Bezafibrate	NA	125-500	NA	NA	NA	(Zemann et al., 2015)
Israel	Bezafibrate	NA	60-1200	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Bezafibrate	NA	0.23-0.51	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Bisoprolol	NA	NA	41.5 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Bisoprolol	16-35	217-222	NA	<1-86	River	(Shigei et al., 2021)
Saudi Arabia	Bisoprolol	390-537	308-489	NA	NA	NA	(Mostafa et al., 2023)
Saudi Arabia	Betaxolol	<MQL-9.2	<MQL-8.9	NA	NA	NA	(Mostafa et al., 2023)
Kuwait	Carazolol	NA	NA	NA	<0.2-3	Seawater	(Gevao et al., 2021)
Lebanon	Carbadox	NA	NA	NA	12	River	(Doummar & Aoun, 2018b)
Egypt	Carbamazepine	NA	63-342	NA	1-8	River	(Abdallah et al., 2019)
Tunisia	Carbamazepine	520-1100	640-920	NA	0.5	Seawater	(Afsa et al., 2019)
Saudi Arabia	Carbamazepine	73-151	41	NA	NA	NA	(Al Qarni et al., 2016)
Saudi Arabia	Carbamazepine	NA	NA	NA	0.3-109.6	Seawater	(Ali et al., 2017)
Saudi Arabia	Carbamazepine	NA	19-1630	NA	NA	NA	(Alidina et al., 2014)
Saudi Arabia	Carbamazepine	246-353	243-365	NA	NA	NA	(Mostafa et al., 2023)
Jordan	Carbamazepine	700-1300	400-1300	NA	NA	NA	(Al-Tarawneh et al., 2015)
Israel	Carbamazepine	NA	NA	560-1094	NA	NA	(Arye et al., 2010)
Tunisia	Carbamazepine	NA	NA	20.4-910	NA	NA	(Cary et al., 2013)

Morocco	Carbamazepine	NA	NA	NA	22-184	River/Estuary	(Chafi et al., 2022)
Israel	Carbamazepine	NA	660	NA	NA	NA	(Chefetz et al., 2008)
Israel	Carbamazepine	NA	NA	NA	2000-3211	Stream	(Dotan et al., 2017)
Lebanon	Carbamazepine	NA	NA	NA	7.9	River	(Doummar & Aoun, 2018b)
Lebanon	Carbamazepine	NA	NA	NA	10-30	River	(Doummar et al., 2014)
Tunisia	Carbamazepine	NA	111-293 (for irrigation water)	10.2-114.5	NA	NA	(Fenet et al., 2012)
Tunisia	Carbamazepine	900	250-1300	22-149	80	River	(Fries et al., 2016)
Tunisia	Carbamazepine	NA	NA	2.47			(Khezami et al., 2024)
Israel	Carbamazepine	NA	460-1700	NA	NA	NA	(Gasser et al., 2011)
Kuwait	Carbamazepine	NA	NA	NA	0.4-110.2	Seawater	(Gevao et al., 2021)
Tunisia	Carbamazepine	NA	60580-132000	NA	NA	NA	(Khazri et al., 2019)
Israel	Carbamazepine	NA	870-1037	NA	NA	NA	(Lakretz et al., 2017)
Israel	Carbamazepine	840	830	NA	NA	NA	(Lester et al., 2013)
Lebanon	Carbamazepine	NA	NA	NA	nd-290	River	(Merhabi et al., 2021)
Israel	Carbamazepine	NA	NA	784.8 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Carbamazepine	NA	250-640	NA	NA	NA	(Ben Mordechay et al., 2018)
Israel	Carbamazepine	NA	980-1840	NA	NA	NA	(Ben Mordechay et al., 2018)
Tunisia	Carbamazepine	125-265	182-336	NA	NA	NA	(Moslah et al. 2018)
Israel	Carbamazepine	NA	NA	NA	8.8	Seawater	(Nödler et al., 2014)
Jordan	Carbamazepine	NA	NA	NA	400-900	River	(Riemenschneider et al., 2016)
Jordan	Carbamazepine	NA	NA	NA	400-900	River	(Riemenschneider et al., 2016)
Jordan	Carbamazepine	NA	NA	NA	100-500	River	(Riemenschneider et al., 2016)
Jordan	Carbamazepine	NA	NA	NA	1200-2400	River	(Riemenschneider et al., 2016)
Jordan	Carbamazepine	2365-3020	3138-3352	NA	1.3-3352	River	(Shigei et al., 2021)
Jordan	Carbamazepine	NA	<50-3600	<20-180	<20-1600	River	(Tiehm et al., 2011)
Iraq	Carbamazepine	NA	NA	NA	7.71-76.8	River	(Wilkinson et al., 2022)
Morocco	Carbamazepine	NA	NA	NA	2.04-71.2	River	(Wilkinson et al., 2022)
Iran	Carbamazepine	NA	NA	NA	1.72-2.2	River	(Wilkinson et al., 2022)
Israel	Carbamazepine	NA	NA	NA	59.4-1790	River	(Wilkinson et al., 2022)
Tunisia	Carbamazepine	NA	NA	NA	3.1-842	River	(Wilkinson et al., 2022)
Palestine	Carbamazepine	NA	NA	NA	717-1970	River	(Wilkinson et al., 2022)
Jordan	Carbamazepine	NA	17000(3500 median)	NA	2100 (800 median)	River	(Zemann et al., 2014)
Jordan	Carbamazepine	NA	7900 (3100 median)	100 (80 median)	1200 (240 median)	River	(Zemann et al., 2015)
Israel	Carbamazepine	NA	1125-1375	NA	NA	NA	(Zemann et al., 2015)
Israel	Carbamazepine	NA	240-890	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Carbamazepine	NA	1.02-1.32	NA	NA	NA	(Chefetz et al., n.d.)
Iran	Cefixime	<700	<450	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Cefixime	318-777	124-422	NA	137-146	River	(Mirzaei et al., 2019)
Kuwait	Cephalexin	NA	NA	NA	141.8	Seawater	(Gevao et al., 2021)
Tunisia	Cephalexin	23.3-33.33	14.1-17.5	NA	NA	NA	(Harrabi et al., 2018)
Iran	Cephalexin	<10-100	<1-10	NA	1.4-4.2	Seawater	(Kafaei et al., 2018)
Iran	Cephalexin	<1000	<40	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Cephalexin	460-978	9.7-29	NA	182-184	River	(Mirzaei et al., 2019)
Saudi Arabia	Cephalexin	1370-3230	1270-2830	NA	NA	NA	(Shraim et al., 2017)
Tunisia	Cetirizine	NA	NA	NA	115-598	River	(Wilkinson et al., 2022)
Iraq	Cetirizine	NA	NA	NA	3.39-13.1	River	(Wilkinson et al., 2022)
Morocco	Cetirizine	NA	NA	NA	14.7-25.4	River	(Wilkinson et al., 2022)
Israel	Cetirizine	NA	NA	NA	49.3-146	River	(Wilkinson et al., 2022)
Palestine	Cetirizine	NA	NA	NA	12.2-110	River	(Wilkinson et al., 2022)
Saudi Arabia	Chloramphenicol	NA	NA	NA	0.1-10.3	Seawater	(Ali et al., 2017)
Morocco	Chloramphenicol	NA	NA	NA	36-150	River/Estuary	(Chafi et al., 2022)
Tunisia	Chloramphenicol	500-3300	300-1100	NA	200-15600	Seawater	(Tahrani et al., 2016)
Iran	Chloramphenicol	NA	430-780	NA	NA	NA	(Vosough and Esfahani, 2013)
Lebanon	Cimetidine	NA	NA	NA	(<5) 900	River	(Doummar & Aoun, 2018b)
Kuwait	Cimetidine	NA	NA	NA	0.2-3.4	Seawater	(Gevao et al., 2021)
Iraq	Cimetidine	NA	NA	NA	2.48-12.8	River	(Wilkinson et al., 2022)
Tunisia	Cimetidine	NA	NA	NA	12.6-17.5	River	(Wilkinson et al., 2022)
Iraq	Ceftriaxone	NA	NA	NA	0.1-80	River	(Al-Sudani et al., 2024)
Qatar	Ciprofloxacin	0.23-1.99 (HWW)	0.16-2.54 (WWT)	NA	NA	NA	(Al Maadheed, 2016)
Saudi Arabia	Ciprofloxacin	2180-5600	nd	NA	NA	NA	(Al Qarni et al., 2016)
Saudi Arabia	Ciprofloxacin	1684-3585	456-1241	NA	NA	NA	(Mostafa et al., 2023)

Qatar	Ciprofloxacin	234-2543	157-1723	NA	NA	NA	(Al-Maadheed et al., 2019)
Palestine	Ciprofloxacin	0.4-197.8	0.4-87.4	NA	0.4-70.5	Pond	(Craddock et al., 2019)
Kuwait	Ciprofloxacin	NA	NA	NA	33.1-2697.2	Seawater	(Gevao et al., 2021)
Tunisia	Ciprofloxacin	295-330	160.03-180.4	NA	NA	NA	(Harrabi et al., 2018)
Iran	Ciprofloxacin	<800	<600	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Ciprofloxacin	706-796	245-295	NA	22-656	River	(Mirzaei et al., 2019)
Lebanon	Ciprofloxacin	NA	NA	NA	108	River	(Mokh et al., 2017)
Lebanon	Ciprofloxacin	NA	NA	NA	5-107	River	(Mounzer et al., 2024)
Israel	Ciprofloxacin	NA	NA	15.6 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Ciprofloxacin	207	nd	NA	NA	NA	(Moslah et al. 2018)
Jordan	Ciprofloxacin	NA	NA	NA	30-600	River	(Riemenschneider et al., 2016)
UAE	Ciprofloxacin	863	543	NA	NA	NA	(Semreen et al., 2019)
UAE	Ciprofloxacin	NA	53.35-361.24	NA	3.39-157.69	Seawater	(Semerjian et al., 2023)
Jordan	Ciprofloxacin	NA	44-51	NA	2.5-5.3	River	(Shigei et al., 2021)
Tunisia	Ciprofloxacin	700-5900	200-5100	NA	NA	Seawater	(Tahrani et al., 2017)
Iraq	Ciprofloxacin	NA	NA	NA	23.5-236	River	(Wilkinson et al., 2022)
Israel	Ciprofloxacin	NA	NA	NA	208-587	River	(Wilkinson et al., 2022)
Palestine	Ciprofloxacin	NA	NA	NA	164-647	River	(Wilkinson et al., 2022)
Kuwait	Citalopram	NA	NA	NA	2-2.4	Seawater	(Gevao et al., 2021)
Tunisia	Citalopram	NA	NA	3.17	NA	NA	(Khezami et al., 2024)
Iran	Citalopram	4.66-2006.27	7.6-945.74	NA	NA	NA	(Golbaz et al., 2023)
Israel	Citalopram	NA	NA	NA	4.3	Seawater	(Nödler et al., 2014)
Jordan	Citalopram	2.5-4.3	41-44	NA	<1-15.3	River	(Shigei et al., 2021)
Palestine	Citalopram	NA	NA	NA	3.93-6.2	River	(Wilkinson et al., 2022)
Saudi Arabia	Clarithromycin	38-83	22	NA	NA	NA	(Al Qarni et al., 2016)
Kuwait	Clarithromycin	NA	NA	NA	<0.2-10.4	Seawater	(Gevao et al., 2021)
Israel	Clarithromycin	NA	NA	3.6 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Clarithromycin	108-124	NA	NA	NA	NA	(Moslah et al. 2018)
Israel	Clarithromycin	Sewage (385-2922)	NA	NA	NA	NA	(Sahar et al., 2011a)
Israel	Clarithromycin	sewage (981-1605)	NA	NA	NA	NA	(Sahar et al., 2011b)
Jordan	Clarithromycin	247-370	64-100	NA	10-91	River	(Shigei et al., 2021)
Tunisia	Clarithromycin	NA	NA	NA	396-677	River	(Wilkinson et al., 2022)
Iraq	Clarithromycin	NA	NA	NA	19-76.1	River	(Wilkinson et al., 2022)
Saudi Arabia	Clarithromycin	213-438	218-432	NA	NA	NA	(Mostafa et al., 2023)
Israel	Clarithromycin	NA	NA	NA	215-565	River	(Wilkinson et al., 2022)
Qatar	Clavulanic acid	<0.1- 63.42(HWW inflent)	<0.1-84.74 (WWTP)	NA	NA	NA	(Al Maadheed, 2016)
Qatar	Clavulanic acid	4332-99636	3359-44783	NA	NA	NA	(Al-Maadheed et al., 2019)
Saudi Arabia	Clofibric acid	NA	NA	NA	1.52	Wetlands	(Álvarez-Ruiz et al., 2020)
Morocco	Clofibric acid	NA	NA	NA	3.6-88	River/Estuary	(Chafi et al., 2022)
Tunisia	Clofibric acid	NA	NA	1.22-7.35	NA	NA	(Khezami et al., 2024)
Israel	Clofibric acid	NA	10	NA	NA	NA	(Chefetz et al., 2008)
Israel	Clofibric acid	NA	NA	27.4 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Saudi Arabia	Clofibric acid	NA	NA	NA	1.5	Lake	(Pico et al., 2020)
Jordan	Clofibric acid	NA	150 (150 median)	NA	33 (31 median)	River	(Zemann et al., 2014)
Jordan	Clofibric acid	NA	150 (150 median)	NA	NA	River	(Zemann et al., 2015)
Kuwait	Clopidogrel	NA	NA	NA	<0.2-3.9	Seawater	(Gevao et al., 2021)
Egypt	Clotrimazole	NA	31-231	NA	18-23	River	(Abdallah et al., 2019)
Lebanon	Cyclophosphamide	1.5-4	1.4-12	NA	2	outfall	(Nassour et al., 2023)
Egypt	Codeine	NA	29-466	NA	14-21	River	(Abdallah et al., 2019)
Saudi Arabia	Codeine	NA	NA	NA	22.46	Wetlands	(Álvarez-Ruiz et al., 2020)
Kuwait	Codeine	NA	NA	NA	1.9-111.8	Seawater	(Gevao et al., 2021)
Israel	Codeine	NA	NA	1.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Saudi Arabia	Codeine	NA	NA	NA	22.5	Lake	(Pico et al., 2020)
Iraq	Codeine	NA	NA	NA	2.81-28.6	River	(Wilkinson et al., 2022)
Tunisia	Codeine	NA	NA	NA	82.3-495	River	(Wilkinson et al., 2022)
Lebanon	Danofloxacin	NA	NA	NA	59-97	River	(Mokh et al., 2017)
UAE	Danofloxacin	NA	NA	NA	4.82	Seawater	(Semerjian et al., 2023)
Tunisia	Danofloxacin	1200-3600	800-31000	NA	NA	NA	(Tahrani et al., 2017)
Tunisia	Dapsone	1600	NA	NA	2800	Seawater	(Tahrani et al., 2017)
Jordan	Diatrizoic acid	NA	<50-110	<20-940	<20-170	River	(Tiehm et al., 2011)

Jordan	Diatrizoic acid	NA	300 (120 median)	940 (120 median) ground water	850 (140 median)	River	(Zemann et al., 2014)
Jordan	Diatrizoic acid	NA	300 (120 median)	220 (54 median)	270 (110 median)	River	(Zemann et al., 2015)
Egypt	Diazepam	NA	17-58	NA	9	River	(Abdallah et al., 2019)
Israel	Diazepam	NA	NA	0.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Diazepam	NA	720(404 median)	NA	13	River	(Zemann et al., 2014)
Jordan	Diazepam	NA	720 (404 median)	NA	NA	River	(Zemann et al., 2015)
Egypt	Diclofenac	NA	79-3614	NA	35-77	River	(Abdallah et al., 2019)
Tunisia	Diclofenac	11	32-70	NA	23	Seawater	(Afsa et al., 2019)
Jordan	Diclofenac	4000-65000	36000-44000	NA	NA	NA	(Alahmad and Alawi, 2010)
Jordan	Diclofenac	NA	5000-7000 (outer drain of admissions bldg UJH)	3000-7000 (outer drain of clinic bldg UJH)	NA	NA	(Alawi and Alahmad, 2012)
Saudi Arabia	Diclofenac	NA	NA	NA	1.6-10221.1	Seawater	(Ali et al., 2017)
Saudi Arabia	Diclofenac	NA	NA	NA	26.9	Seawater	(Ali et al., 2019)
Saudi Arabia	Diclofenac	NA	60-1710	NA	NA	NA	(Alidina et al., 2014)
Jordan	Diclofenac	800-3300	200-1100	NA	NA	NA	(Al-Tarawneh et al., 2015)
Saudi Arabia	Diclofenac	NA	NA	NA	10.25-1390	Wetlands	(Álvarez-Ruiz et al., 2020)
Morocco	Diclofenac	NA	NA	NA	22-126	River/Estuary	(Chafí et al., 2022)
Israel	Diclofenac	NA	510	NA	NA	NA	(Chefetz et al., 2008)
Lebanon	Diclofenac	NA	NA	NA	(<5) 8-23	River	(Doummar & Aoun, 2018b)
Iran	Diclofenac	22-230 WWTP inf	22-33 WWTP eff	24 (Tap water)	25	River	(Eslami et al., 2015)
Tunisia	Diclofenac	250	50-500	NA	10-200	River	(Fries et al., 2016)
Tunisia	Diclofenac	NA	NA	4.43-5.94			(Khezami et al., 2024)
Kuwait	Diclofenac	NA	NA	NA	39.3-299.2	Seawater	(Gevao et al., 2021)
Algeria	Diclofenac	990.5-2318.8	1615.7-2710.7	NA	NA	NA	(Kermia et al., 2016)
Israel	Diclofenac	NA	337-995	NA	NA	NA	(Lakretz et al., 2017)
Lebanon	Diclofenac	NA	NA	NA	nd-1055	River	(Merhabi et al., 2021)
Israel	Diclofenac	NA	NA	67.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Diclofenac	NA	NA	NA	6.1	Seawater	(Nödler et al., 2014)
saudi Arabia	Diclofenac	NA	NA	NA	1390	Lake	(Pico et al., 2020)
Jordan	Diclofenac	NA	NA	NA	100-1600	River	(Riemenschneider et al., 2016)
Iran	Diclofenac	NA	120	NA	NA	NA	(Sarafraz-Yazdi et al., 2012)
Jordan	Diclofenac	NA	<50-390	NA	<20-160	River	(Tiehm et al., 2011)
Jordan	Diclofenac	NA	<100-390	NA	<20-160	River	(Tiehm et al., 2012)
Jordan	Diclofenac	NA	430 (270 median)	NA	160 (78 median)	River	(Zemann et al., 2014)
Jordan	Diclofenac	NA	390 (240 median)	NA	140 (35 median)	River	(Zemann et al., 2015)
Israel	Diclofenac	NA	1000-1125	NA	NA	NA	(Zemann et al., 2015)
Israel	Diclofenac	NA	10-30	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Diclofenac	NA	0.47-1.01	NA	NA	NA	(Chefetz et al., n.d.)
Saudi Arabia	Dilantin	NA	25-1490	NA	NA	NA	(Alidina et al., 2014)
Lebanon	Dilantin	NA	NA	NA	(<20) 180	River	(Doummar & Aoun, 2018b)
Kuwait	Diltiazem	NA	NA	NA	10.8-18	Seawater	(Gevao et al., 2021)
Israel	Diltiazem	NA	NA	0.3 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Diltiazem	NA	NA	NA	1.97-10.3	River	(Wilkinson et al., 2022)
Tunisia	Diltiazem	NA	NA	2.01			(Khezami et al., 2024)
Tunisia	Diltiazem	NA	NA	NA	8.56-96.7	River	(Wilkinson et al., 2022)
Kuwait	Dimetridazole	NA	NA	NA	183.4	Seawater	(Gevao et al., 2021)
Saudi Arabia	Diphenhydramine	NA	50-1300	NA	NA	NA	(Alidina et al., 2014)
Israel	Diphenhydramine	NA	NA	7.6 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Egypt	Doxycycline	NA	29	NA	NA	NA	(Abdallah et al., 2019)
Tunisia	Enrofloxacin	340.17-400.2	133.33-153.3	NA	NA	NA	(Harrabi et al., 2018)
Israel	Enrofloxacin	NA	NA	1 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Enrofloxacin	4200-23000	1800-19000	NA	NA	Seawater	(Tahrani et al., 2017)
Palestine	Enrofloxacin	NA	NA	NA	379-445	na	(Wilkinson et al., 2022)
Israel	Erythromycin	NA	NA	0.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Egypt	Erythromycin	NA	52-275	NA	33-61	River	(Abdallah et al., 2019)
Qatar	Erythromycin	<0.1-5.17 (HWW influent)	<0.1-1.34 (WWT)	NA	NA	NA	(Al-Maadheed, 2016)
Qatar	Erythromycin	<10-2035	<10-167	NA	NA	NA	(Al-Maadheed et al., 2019)
Jordan	Erythromycin	500-1100	200-500	NA	NA	NA	(Al-Tarawneh et al., 2015)
Lebanon	Erythromycin	NA	NA	NA	121-268.3	River	(Azzi et al., 2021)
Palestine	Erythromycin	0.2-12.8	0.2-20.7	NA	NA	NA	(Craddock et al., 2019)
Kuwait	Erythromycin	NA	NA	NA	7.8-12.8	Seawater	(Gevao et al., 2021)
Iran	Erythromycin	<190	<200	NA	NA	NA	(Mirzaei et al., 2018)

Iran	Erythromycin	93-159.5	51-194	NA	18-45	River	(Mirzaei et al., 2019)
Lebanon	Erythromycin	NA	NA	87-284 (fountain)	603-2806	River	(Mokh et al., 2017)
Tunisia	Erythromycin	266-1193	108-1187	NA	NA	NA	(Moslah et al. 2018)
Jordan	Erythromycin	57-81	291-339	NA	30-129	River	(Shigei et al., 2021)
Tunisia	Erythromycin	300-16400	200-14700	NA	3900	Seawater	(Tahrani et al., 2017)
Iraq	Erythromycin	NA	NA	NA	18.4-307	River	(Wilkinson et al., 2022)
Tunisia	Erythromycin	NA	NA	NA	70-124	River	(Wilkinson et al., 2022)
Israel	Erythromycin	NA	110-260	NA	NA	NA	(Chefetz et al., n.d.)
UAE	Erythromycin	785	541	NA	NA	NA	(Semreen et al., 2019)
UAE	Erythromycin	NA	4.02	NA	0.94	Seawater	(Semerjian et al., 2023)
Lebanon	Erythromycin	NA	NA	52-139 (fountain)	121-777	River	(Mokh et al., 2017)
Jordan	Estriol	NA	NA	NA	0.9-2.9	River	(Barel-Cohen et al., 2006)
Tunisia	Estriol	300-360	40-45	NA	NA	NA	(Belhaj et al., 2014)
Tunisia	Estriol	NA	NA	0.16-10.43			(Khezami et al., 2024)
Israel	Estriol	70	3	NA	NA	NA	(Dotan et al., 2016)
Palestine	Estriol	100	0.8	NA	NA	NA	(Dotan et al., 2016)
Israel	Estriol	NA	NA	NA	10-152	Stream	(Dotan et al., 2017)
Lebanon	Estriol	NA	NA	NA	(<5) 5.4-70	River	(Doummar & Aoun, 2018b)
Tunisia	Estrone	10-60 ng/L	25-320	NA	NA	NA	(Belhaj et al., 2014)
Tunisia	Estrone	NA	10	NA	NA	NA	(Belhaj et al., 2015)
Tunisia	Estrone	NA	NA	0.27-7.65			(Khezami et al., 2024)
Israel	Estrone	90	2	NA	NA	NA	(Dotan et al., 2016)
Palestine	Estrone	200	7	NA	NA	NA	(Dotan et al., 2016)
Israel	Estrone	NA	NA	NA	1-265	Stream	(Dotan et al., 2017)
Morocco	Estrone	NA	NA	NA	20-202	River/Estuary	(Chafi et al., 2022)
Egypt	Ethinylestradiol	NA	104-219	NA	NA	NA	(Abdallah et al., 2019)
Jordon	Ethinylestradiol	NA	NA	NA	0.9-2.5	River	(Barel-Cohen et al., 2006)
Tunisia	Ethinylestradiol	50-100	20-25	NA	NA	NA	(Belhaj et al., 2014)
Morocco	Ethinylestradiol	NA	NA	NA	<0.2-50	River/Estuary	(Chafi et al., 2022)
Saudi Arabia	Etoricoxib	NA	NA	NA	382.89-473.96	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Etoricoxib	NA	NA	NA	376.7-474	Lake	(Pico et al., 2020)
Tunisia	Famotidine	230-9800	410-5200	NA	NA	NA	(Afsa et al., 2019)
Kuwait	Famotidine	NA	NA	NA	8.3-26.1	Seawater	(Gevao et al., 2021)
Tunisia	Fenofibrate	36	NA	NA	14	Seawater	(Afsa et al., 2019)
Jordan	Fenofibrate	NA	260 (260 median)	74 (74 median)	NA	River	(Zemann et al., 2014)
Jordan	Fenofibrate	NA	NA	130 (110 median)	NA	River	(Zemann et al., 2015)
Tunisia	Fenofibric acid	1000	10-7000	NA	10-1000	River	(Fries et al., 2016)
Jordan	Fenofibric acid	NA	160 (160 median)	NA	NA	River	(Zemann et al., 2014)
Jordan	Fenofibric acid	NA	160 (160 median)	NA	NA	River	(Zemann et al., 2015)
Iraq	Fexofenadine	NA	NA	NA	896-20200	River	(Wilkinson et al., 2022)
Israel	Fexofenadine	NA	NA	NA	74-4440	River	(Wilkinson et al., 2022)
Morocco	Florfenicol	NA	NA	NA	9.1-132	River/Estuary	(Chafi et al., 2022)
Tunisia	Florfenicol	90-3300	100-800	NA	2900-18400	Seawater	(Tahrani et al., 2016)
Israel	Flumequine	NA	NA	0.2 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Flumequine	200-4600	200-4200	NA	NA	Seawater	(Tahrani et al., 2017)
Morocco	Flunixin	NA	NA	NA	<0.03-32	River/Estuary	(Chafi et al., 2022)
Tunisia	Fluoxetine	1200	120	NA	41	Seawater	(Afsa et al., 2019)
Saudi Arabia	Fluoxetine	NA	11-1210	NA	NA	NA	(Alidina et al., 2014)
Lebanon	Fluoxetine	NA	NA	NA	12.6-28.4	River	(Azzi et al., 2021)
Iran	Fluoxetine	2.5	NA	NA	NA	NA	(Golbaz et al., 2023)
Israel	Fluoxetine	NA	NA	3.2 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Fluoxetine	<1-1.5	2.8-2.9	NA	<1	River	(Shigei et al., 2021)
Tunisia	Furosemide	130-200	37-67	NA	NA	NA	(Afsa et al., 2019)
Tunisia	Furosemide	700	700-2000	NA	500	River	(Fries et al., 2016)
Tunisia	Furosemide	NA	NA	0.68-1.88			(Khezami et al., 2024)
Kuwait	Furosemide	NA	NA	NA	82.9	Seawater	(Gevao et al., 2021)
Egypt	Gabapentin	NA	40-279	NA	8-12	River	(Abdallah et al., 2019)
Israel	Gabapentin	NA	NA	1004.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Gabapentin	NA	NA	NA	600-2100	River	(Riemenschneider et al., 2016)
Morocco	Gabapentin	NA	NA	NA	48.3-120	River	(Wilkinson et al., 2022)
Iraq	Gabapentin	NA	NA	NA	27-603	River	(Wilkinson et al., 2022)

Tunisia	Gabapentin	NA	NA	NA	440-513	River	(Wilkinson et al., 2022)
Israel	Gabapentin	NA	NA	NA	1060-6060	River	(Wilkinson et al., 2022)
Palestine	Gabapentin	NA	NA	NA	295-1830	River	(Wilkinson et al., 2022)
Egypt	Gemfibrozil	NA	44-105	NA	16-21	River	(Abdallah et al., 2019)
Saudi Arabia	Gemfibrozil	NA	43-1440	NA	NA	NA	(Alidina et al., 2014)
Israel	Gemfibrozil	NA	40	NA	NA	NA	(Chefetz et al., 2008)
Lebanon	Gemfibrozil	NA	3500 (not treated)	NA	10-25	River	(Doummar & Aoun, 2018a)
Lebanon	Gemfibrozil	NA	3500 (not treated)	<5	(<5) 5.2-140	River	(Doummar & Aoun, 2018b)
Tunisia	Gemfibrozil	NA	20-70	NA	NA	NA	(Fries et al., 2016)
Tunisia	Gemfibrozil	NA	NA	0.89-30.71			(Khezami et al., 2024)
Kuwait	Gemfibrozil	NA	NA	NA	1.1-38.3	Seawater	(Gevao et al., 2021)
Jordan	Gemfibrozil	NA	NA	NA	1-3300	River	(Riemenschneider et al., 2016)
Jordan	Gemfibrozil	NA	<50-4800	<20-70	20-2100	River	(Tiehm et al., 2011)
Jordan	Gemfibrozil	NA	4800 (1200 median)	NA	2100 (230 median)	River	(Zemann et al., 2014)
Jordan	Gemfibrozil	NA	4800 (1300 median)	NA	510 (150 median)	River	(Zemann et al., 2015)
Israel	Gemfibrozil	NA	10-790	NA	NA	NA	(Chefetz et al., n.d.)
Tunisia	Gentamycin	500-1600	200-600	NA	200-1400	Seawater	(Tahrani et al., 2016)
Tunisia	Glibenclamide	26-42	20-39	NA	2	Seawater	(Afsa et al., 2019)
Kuwait	Glibenclamide	NA	NA	NA	3.7-14.3	Seawater	(Gevao et al., 2021)
Qatar	Glimepiride	4000-103000	2000-32000	NA	NA	NA	(Alahmad and Alawi, 2010)
Jordan	Glimepiride	NA	3000 (outer drain of admissions bldg UJH)	NA	NA	NA	(Alawi and Alahmad, 2012)
Tunisia	Hydrochlorothiazide	65-2800	380-810	NA	NA	NA	(Afsa et al., 2019)
Tunisia	Hydrochlorothiazide	NA	NA	2.09-1048.26			(Khezami et al., 2024)
Kuwait	Hydrochlorothiazide	NA	NA	NA	0.9-116	Seawater	(Gevao et al., 2021)
Jordan	Hydrochlorothiazide	NA	NA	NA	400-2100	River	(Riemenschneider et al., 2016)
Tunisia	Hydroxychloroquine	NA	NA	6.04-38.09			(Khezami et al., 2024)
Egypt	Hydrocortizone	NA	43-128	NA	36-64	River	(Abdallah et al., 2019)
Egypt	Ibuprofen	NA	812-6702	NA	26-91	River	(Abdallah et al., 2019)
Jordan	Ibuprofen	5000-62000	8000-49000	NA	NA	NA	(Alahmad and Alawi, 2010)
Saudi Arabia	Ibuprofen	NA	NA	NA	46.2-508.7	Seawater	(Ali et al., 2017)
Saudi Arabia	Ibuprofen	NA	27-1520	NA	NA	NA	(Alidina et al., 2014)
Jordan	Ibuprofen	700-5700	400-2200	NA	NA	NA	(Al-Tarawneh et al., 2015)
Saudi Arabia	Ibuprofen	NA	NA	NA	3.73-2407	Wetlands	(Álvarez-Ruiz et al., 2020)
Morocco	Ibuprofen	NA	NA	NA	30-201	River/Estuary	(Chafi et al., 2022)
Israel	Ibuprofen	NA	240	NA	NA	NA	(Chefetz et al., 2008)
Lebanon	Ibuprofen	NA	2100 (not treated)	<10	(<10) 10-200	River	(Doummar & Aoun, 2018b)
Iran	Ibuprofen	233-1051 (WWTP inf)	31-45(WWTP eff)	22-45 (tap water)	22-37	River	(Eslami et al., 2015)
Tunisia	Ibuprofen	NA	50-500	NA	NA	NA	(Fries et al., 2016)
Tunisia	Ibuprofen	NA	700-10000	NA	NA	NA	(Fries et al., 2016)
Tunisia	Ibuprofen	1100	700-3700	NA	80-1000	River	(Fries et al., 2016)
Tunisia	Ibuprofen	NA	NA	22.13-1599.34			(Khezami et al., 2024)
Kuwait	Ibuprofen	NA	NA	NA	24.2-1388.6	Seawater	(Gevao et al., 2021)
Algeria	Ibuprofen	1607.8-8612.9	341.4-431.3	NA	NA	NA	(Kermia et al., 2016)
Tunisia	Ibuprofen	NA	8020-43220	NA	NA	NA	(Khazri et al., 2019)
Israel	Ibuprofen	NA	NA	NA	7.5	Seawater	(Nödler et al., 2014)
Saudi Arabia	Ibuprofen	NA	NA	NA	2407	Lake	(Pico et al., 2020)
Iran	Ibuprofen	NA	250	NA	120	River	(Sarafraz-Yazdi et al., 2012)
Jordan	Ibuprofen	NA	<50-750	NA	<20-1400	River	(Tiehm et al., 2011)
Jordan	Ibuprofen	NA	750 (250 median)	59 (56 median) groundwater	1400 (80 median)	River	(Zemann et al., 2014)
Jordan	Ibuprofen	NA	750 (225 median)	65 (56 median)	430 (250 median)	River	(Zemann et al., 2015)
Iran	Indomethacin	25-110 WWTP inf	28-57 WWTP eff	21-37 (Tap water)	25-41	River	(Eslami et al., 2015)
Kuwait	Indomethacin	NA	NA	NA	12.7	Seawater	(Gevao et al., 2021)
Lebanon	Ioexol	NA	290 (not treated)	NA	(<10)12-13	River	(Doummar & Aoun, 2018a)
Lebanon	Ioexol	NA	290 (not treated)	<10-13	(<10) 12-75	River	(Doummar & Aoun, 2018b)
Israel	Ioexol	NA	21952-42026	NA	NA	NA	(Lakretz et al., 2017)
Israel	Ioexol	NA	NA	NA	26	Seawater	(Nödler et al., 2014)
Jordan	Ioexol	NA	NA	NA	200-2000	River	(Riemenschneider et al., 2016)
Jordan	Ioexol	NA	9000 (270 median)	180 (31 median) ground water	1600(645 median)	River	(Zemann et al., 2014)
Jordan	Ioexol	NA	9000(315 median)	27 (19 median)	39000(5800 median)	River	(Zemann et al., 2015)
Jordan	Iomeprol	NA	NA	NA	300-8200	River	(Riemenschneider et al., 2016)

Jordan	Iomeprol	NA	<100-360000	<20-48	<100-5300	River	(Tiehm et al., 2012)
Jordan	Iomeprol	NA	360000(1400 median)	790 (39 median) ground water	6900 (2200 median)	River	(Zemann et al., 2014)
Jordan	Iomeprol	NA	360000(1400 median)	NA	5300 (88 median)	River	(Zemann et al., 2015)
Israel	Iopamidol	NA	778-1449	NA	NA	NA	(Lakretz et al., 2017)
Jordan	Iopamidol	NA	NA	NA	100-5300	River	(Riemenschneider et al., 2016)
Jordan	Iopamidol	NA	680000 (6600)	36000(59 median) groudwater	78000(1100 median)	River	(Zemann et al., 2014)
Jordan	Iopamidol	NA	680000(6900)	1900 (65 median)	78000(850 median)	River	(Zemann et al., 2015)
Lebanon	Iopromide	NA	NA	NA	(<5) 6	River	(Doummar & Aoun, 2018b)
Israel	Iopromide	NA	4066-9559	NA	NA	NA	(Lakretz et al., 2017)
Jordan	Iopromide	NA	NA	NA	200-7900	River	(Riemenschneider et al., 2016)
Jordan	Iopromide	NA	<50-2200	<20-1600	<20-3000	River	(Tiehm et al., 2011)
Jordan	Iopromide	NA	280000 (860)	250 (24 median) groundwater	4500(650 median)	River	(Zemann et al., 2014)
Jordan	Iopromide	NA	280000(860 median)	NA	4500 (995 median)	River	(Zemann et al., 2015)
Israel	Iopromide	NA	8400-11900	NA	NA	NA	(Zemann et al., 2015)
Tunisia	Irbesartan	NA	NA	614.04			(Khezami et al., 2024)
Jordan	Iotalamic acid	NA	42 (42 median)	10 (10 median) groundwater	23 (21 median)	River	(Zemann et al., 2014)
Jordan	Ioxaglic acid	NA	28 (28 median)	NA	NA	NA	(Zemann et al., 2014)
Jordan	Ioxithalamic acid	NA	NA	51 (19 median) groundwater	NA	NA	(Zemann et al., 2014)
Kuwait	Irbesartan	NA	NA	NA	0.3-9.3	Seawater	(Gevao et al., 2021)
Tunisia	Josamycin	200-1600	100-1500	NA	800-1500	Seawater	(Tahrani et al., 2017)
Tunisia	Ketoprofen	1200-3000	350-790	NA	76	Seawater	(Afsa et al., 2019)
Tunisia	Ketoprofen	NA	NA	6.69-48.71			(Khezami et al., 2024)
Morocco	Ketoprofen	NA	NA	NA	34-168	River/Estuary	(Chafi et al., 2022)
Israel	Ketoprofen	NA	80	NA	NA	NA	(Chefetz et al., 2008)
Lebanon	Ketoprofen	NA	NA	NA	5.8	River	(Doummar & Aoun, 2018b)
algeria	Ketoprofen	NA	650-1000	NA	NA	NA	(Fries et al., 2016)
Tunisia	Ketoprofen	500	700-1200	NA	50-700	River	(Fries et al., 2016)
Kuwait	Ketoprofen	NA	NA	NA	173.4-272.5	Seawater	(Gevao et al., 2021)
Algeria	Ketoprofen	565.2	1034.5	NA	NA	NA	(Kermia et al., 2016)
Israel	Ketoprofen	NA	NA	11.5 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Ketoprofen	NA	64 (64 median)	NA	NA	River	(Zemann et al., 2014)
Jordan	Ketoprofen	NA	64(64 median)	NA	NA	River	(Zemann et al., 2015)
Saudi Arabia	Ketoprofen	79-132	30-56	NA	NA	NA	(Mostafa et al., 2023)
Israel	Ketoprofen	NA	10-100	NA	NA	NA	(Chefetz et al., n.d.)
UAE	Labetalol	3.44	NA	NA	NA	NA	(Salem et al., 2012)
Israel	Lamotrigine	NA	NA	648.9 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Jordan	Lamotrigine	NA	NA	NA	300-1300	River	(Riemenschneider et al., 2016)
Tunisia	Lamotrigine	NA	NA	0.94-1.82			(Khezami et al., 2024)
Israel	Lamotrigine	NA	80-1910	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Lamotrigine	NA	1.64-2.11	NA	NA	NA	(Chefetz et al., n.d.)
Kuwait	Levamisol	NA	NA	NA	<0.2-4.1	Seawater	(Gevao et al., 2021)
Saudi Arabia	Lidocaine	129-158	114	NA	NA	NA	(Al Qarni et al., 2016)
Morocco	Lidocaine	NA	NA	NA	4.76	River	(Wilkinson et al., 2022)
Tunisia	Lidocaine	NA	NA	NA	2.92-90.8	River	(Wilkinson et al., 2022)
Iraq	Lidocaine	NA	NA	NA	3.1-101	River	(Wilkinson et al., 2022)
Israel	Lidocaine	NA	NA	NA	348	River	(Wilkinson et al., 2022)
Palestine	Lidocaine	NA	NA	NA	344	River	(Wilkinson et al., 2022)
Tunisia	Lincomycin	100.33-150.08	73.33-80.07	NA	NA	NA	(Harrabi et al., 2018)
Tunisia	Lincomycin	NA	NA	1.4			(Khezami et al., 2024)
Israel	Lincomycin	NA	NA	0.3 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Palestine	Lincomycin	NA	NA	NA	74.3-290	River	(Wilkinson et al., 2022)
Palestine	Linezolid	NA	0.3-2.1	NA	0.3-1.5	Pond	(Craddock et al., 2019)
Kuwait	Loratadine	NA	NA	NA	2-4	Seawater	(Gevao et al., 2021)
Palestine	Loratadine	NA	NA	NA	29.7-58.4	River	(Wilkinson et al., 2022)
Saudi Arabia	Lorazepam	NA	NA	NA	415.16-506.86	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Lorazepam	NA	NA	NA	415.2-506.7	Lake	(Pico et al., 2020)
Kuwait	Losartan	NA	NA	NA	0.9-144	Seawater	(Gevao et al., 2021)
Lebanon	Meclofenamic acid	NA	NA	NA	510-1000	River	(Doummar & Aoun, 2018b)
Egypt	Mefenamic acid	NA	17-52	NA	12	River	(Abdallah et al., 2019)
Tunisia	Mefenamic acid	NA	210	NA	0.6	Seawater	(Afsa et al., 2019)
Tunisia	Mefenamic acid	NA	NA	1.4-278.92			(Khezami et al., 2024)

Morocco	Mefenamic acid	NA	NA	NA	19-222	River/Estuary	(Chafi et al., 2022)
Jordan	Mefenamic acid	NA	NA	NA	100-1500	River	(Riemenschneider et al., 2016)
Kuwait	Meloxicam	NA	NA	NA	<0.2-4	Seawater	(Gevao et al., 2021)
Lebanon	Meprobamate	NA	NA	NA	(<5) 100	River	(Doummar & Aoun, 2018b)
Egypt	Metformin	NA	168-5613	NA	21-63	River	(Abdallah et al., 2019)
Saudi Arabia	Metformin	NA	NA	NA	0.5-4800	Seawater	(Ali et al., 2017)
Saudi Arabia	Metformin	NA	NA	NA	1.98-173.85	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Metformin	NA	NA	NA	2-267	Lake	(Pico et al., 2020)
Jordan	Metformin	851-1398	21-31	NA	<1-85	River	(Shigei et al., 2021)
Saudi Arabia	Metformin	4020-31200	<4510	NA	NA	NA	(Shraim et al., 2017)
Iraq	Metformin	NA	NA	NA	539-8670	River	(Wilkinson et al., 2022)
Jordan	Methotrexate	100000-450000	95000-332000	NA	NA	NA	(Alahmad and Alawi, 2010)
Lebanon	Methotrexate	7-20	15-21	na	31	outfall	(Nassour et al., 2023)
Qatar	Methotrexate	NA	178000-618000 (outer drain of admissions bldg UJH)	264000-411000(outer drain of clininc bldg UJH)	NA	NA	(Alawi and Alahmad, 2012)
Egypt	Metoprolol	NA	57-1089	NA	5-17	River	(Abdallah et al., 2019)
Tunisia	Metoprolol	120-250	130-190	NA	NA	NA	(Afsa et al., 2019)
Morocco	Metoprolol	NA	NA	NA	<0.1-30	River/Estuary	(Chafi et al., 2022)
Tunisia	Metoprolol	100	40-100	NA	80	River	(Fries et al., 2016)
Tunisia	Metoprolol	NA	NA	0.25-5.15	NA	NA	(Khezami et al., 2024)
Kuwait	Metoprolol	NA	NA	NA	2-56.1	Seawater	(Gevao et al., 2021)
Israel	Metoprolol	NA	NA	94.2 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Metoprolol	NA	NA	NA	6.7	Seawater	(Nödler et al., 2014)
UAE	Metoprolol	6.56	NA	NA	NA	NA	(Salem et al., 2012)
UAE	Metoprolol	92	62	NA	NA	NA	(Semreen et al., 2019)
UAE	Metoprolol	NA	6.72-61.77	NA	2.45-7.5	Seawater	(Semerjian et al., 2023)
Jordan	Metoprolol	18-496	406-438	NA	<1-658	River	(Shigei et al., 2021)
Morocco	Metoprolol	NA	NA	NA	1190	River	(Wilkinson et al., 2022)
Tunisia	Metoprolol	NA	NA	NA	56600	River	(Wilkinson et al., 2022)
Iran	Metoprolol	NA	NA	NA	229	River	(Wilkinson et al., 2022)
Israel	Metoprolol	NA	NA	NA	2130	River	(Wilkinson et al., 2022)
Palestine	Metoprolol	NA	NA	NA	12100	River	(Wilkinson et al., 2022)
Saudi Arabia	Metoprolol	236-457	227-450	NA	NA	NA	(Mostafa et al., 2023)
Israel	Metoprolol	NA	200-500	NA	NA	NA	(Zemann et al., 2015)
Qatar	Metronidazole	0.97-5.46 (HWW)	<0.1-0.53 (WWT effluent)	NA	NA	NA	(Al Maadheed, 2016)
Kuwait	Metronidazole	58	NA	NA	NA	NA	(Alajmi, 2014)
Saudi Arabia	Metronidazole	NA	NA	NA	0.1-10.3	Seawater	(Ali et al., 2017)
Saudi Arabia	Metronidazole	NA	NA	NA	51-178.6	Seawater	(Ali et al., 2017)
Qatar	Metronidazole	<10-3125	<10-331	NA	NA	NA	(Al-Maadheed et al., 2019)
Kuwait	Metronidazole	NA	NA	NA	63.1-198.6	Seawater	(Gevao et al., 2021)
Jordan	Metronidazole	74-86	96-172	NA	10-47	River	(Shigei et al., 2021)
Iran	Metronidazole	NA	280	NA	NA	NA	(Vosough and Esfahani, 2013)
Tunisia	Metronidazole	NA	NA	NA	48.1-186	River	(Wilkinson et al., 2022)
Tunisia	Metronidazole	NA	NA	0.11-0.24			(Khezami et al., 2024)
Iraq	Metronidazole	NA	NA	NA	35.6-211	River	(Wilkinson et al., 2022)
Israel	Metronidazole	NA	NA	NA	61.5	River	(Wilkinson et al., 2022)
Saudi Arabia	N-acetylcysteine	506-1200	59	NA	NA	NA	(Al Qarni et al., 2016)
Tunisia	Nadolol	4	11	NA	0.8	Seawater	(Afsa et al., 2019)
Saudi Arabia	Nadolol	<MQL-9.9	<MQL-7.3	NA	NA	NA	(Mostafa et al., 2023)
Kuwait	Nadolol	NA	NA	NA	1.9	Seawater	(Gevao et al., 2021)
Tunisia	Nalidixic acid	1000-9700	800-5400	NA	300-16700	Seawater	(Tahrani et al., 2017)
Egypt	Naproxen	NA	13-89	NA	18-23	River	(Abdallah et al., 2019)
Saudi Arabia	Naproxen	NA	8-1170	NA	NA	NA	(Alidina et al., 2014)
Jordan	Naproxen	700-5200	300-1300	NA	NA	NA	(Al-Tarawneh et al., 2015)
Saudi Arabia	Naproxen	NA	NA	NA	15.98-142.95	Wetlands	(Álvarez-Ruiz et al., 2020)
Morocco	Naproxen	NA	NA	NA	26-140	River/Estuary	(Chafi et al., 2022)
Israel	Naproxen	NA	340	NA	NA	NA	(Chefetz et al., 2008)
Lebanon	Naproxen	NA	NA	NA	(<10) 16-25	River	(Doummar & Aoun, 2018b)
Iran	Naproxen	88-430 (WWTP inf)	33-45 (WWTP eff)	37-39 (tap water)	29-41	River	(Eslami et al., 2015)
Tunisia	Naproxen	700	200-850	NA	700	River	(Fries et al., 2016)
Tunisia	Naproxen	NA	NA	1.88-64.69			(Khezami et al., 2024)
Kuwait	Naproxen	NA	NA	NA	327.5	Seawater	(Gevao et al., 2021)

Algeria	Naproxen	1219.7-9584.8	nd	333.7	NA	NA	(Kermia et al., 2016)
Tunisia	Naproxen	NA	2940-36170	NA	NA	NA	(Khazri et al., 2019)
Saudi Arabia	Naproxen	NA	NA	NA	142.9	Lake	(Pico et al., 2020)
Iran	Naproxen	NA	180	NA	90	River	(Sarafraz-Yazdi et al., 2012)
Jordan	Naproxen	NA	<50-240	NA	<20-550	River	(Tiehm et al., 2011)
Tunisia	Naproxen	NA	NA	NA	903-2350	River	(Wilkinson et al., 2022)
Iraq	Naproxen	NA	NA	NA	40.9-221	River	(Wilkinson et al., 2022)
Israel	Naproxen	NA	NA	NA	780-3890	River	(Wilkinson et al., 2022)
Palestine	Naproxen	NA	NA	NA	436-2260	River	(Wilkinson et al., 2022)
Jordan	Naproxen	NA	240 (95 median)	NA	550 (71 median)	River	(Zemann et al., 2014)
jordan	Naproxen	NA	240 (95 median)	NA	69 (69 median)	River	(Zemann et al., 2015)
Tunisia	Neomycin	1800-16400	400-11200	NA	100-700	Seawater	(Tahrani et al., 2016)
Iran	Norfloxacin	<10-200	<10-45	NA	19.36-89.43	Seawater	(Kafaei et al., 2018)
Lebanon	Norfloxacin	NA	NA	NA	50	River	(Mokh et al., 2017)
Lebanon	Norfloxacin	NA	NA	NA	50	River	(Mokh et al., 2017)
Saudi Arabia	Norfloxacin	259-447	53-131	NA	NA	NA	(Mostafa et al., 2023)
Tunisia	Norfloxacin	500-16000	400-8300	NA	20700	Seawater	(Tahrani et al., 2017)
Saudi Arabia	Ofloxacin	NA	NA	NA	147.99-393.85	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Ofloxacin	469-1063	269-835	NA	NA	NA	(Mostafa et al., 2023)
Kuwait	Ofloxacin	NA	NA	NA	0.8-380.1	Seawater	(Gevao et al., 2021)
Tunisia	Ofloxacin	160.33-175.01	86.7-110.07	NA	NA	NA	(Harrabi et al., 2018)
Lebanon	Ofloxacin	NA	NA	NA	nd-190	River	(Merhabi et al., 2021)
Lebanon	Ofloxacin	NA	NA	45	24-148	River	(Mokh et al., 2017)
Israel	Ofloxacin	NA	NA	37.8 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Ofloxacin	138-868	190-648	NA	NA	NA	(Moslah et al. 2018)
Saudi Arabia	Ofloxacin	NA	NA	NA	148-610.6	Lake	(Pico et al., 2020)
UAE	Ofloxacin	846	511	NA	NA	NA	(Semreen et al., 2019)
UAE	Ofloxacin	NA	102.14-541.79	NA	17.11-109.74	Seawater	(Semerjian et al., 2023)
Jordan	Ofloxacin	116-326	1696-1982	NA	7-595	River	(Shigei et al., 2021)
Kuwait	Olanzapine	NA	NA	NA	9.5-55.4	Seawater	(Gevao et al., 2021)
Palestine	Oxacillin	0.9-408.3	0.9-265.5	NA	NA	NA	(Craddock et al., 2019)
Egypt	Oxazepam	NA	10-39	NA	NA	NA	(Abdallah et al., 2019)
Tunisia	Oxazepam	50	40-60	NA	40-70	River	(Fries et al., 2016)
Jordan	Oxazepam	125-427	6.1	NA	38-50	River	(Shigei et al., 2021)
Israel	Oxytetracycline	NA	NA	440	NA	NA	(Avisar et al., 2009b)
Tunisia	Paromomycin	1200-4200	900-1300	NA	NA	NA	(Tahrani et al., 2016)
Qatar	Penicillin	<0.1-0.8 (HWW inflent)	<0.1-0.51 (WWT)	NA	NA	NA	(Al Maadheed, 2016)
Qatar	Penicillin	8-692	<10-419	NA	NA	NA	(Al-Maadheed et al., 2019)
Palestine	Penicillin	0.7-162.8	0.7-63.1	NA	0.7-42	Pond	(Craddock et al., 2019)
Iran	Penicillin	<20	<10	NA	NA	NA	(Mirzaei et al., 2018)
Iran	Penicillin	36-66	17-31	NA	41-63	River	(Mirzaei et al., 2019)
Tunisia	Phenazone	85	110-220	NA	NA	NA	(Afsa et al., 2019)
Kuwait	Phenazone	NA	NA	NA	1.9-4	Seawater	(Gevao et al., 2021)
Iran	Phenobarbital	1.9					(Golbaz et al., 2023)
Tunisia	Phenylbutazone	NA	29	NA	2	Seawater	(Afsa et al., 2019)
Morocco	Phenylbutazone	NA	NA	NA	16-158	River/Estuary	(Chafi et al., 2022)
Palestine	Pipemidic acid	0.4-319.9	0.4-62.5	NA	0.4-59.3	Pond	(Craddock et al., 2019)
Kuwait	Pravastatin	NA	NA	NA	75.3	Seawater	(Gevao et al., 2021)
Saudi Arabia	Primidone	NA	6-3400	NA	NA	NA	(Alidina et al., 2014)
Israel	Primidone	NA	200-375	NA	NA	NA	(Zemann et al., 2015)
Egypt	Propranolol	NA	8-187	NA	6-7	River	(Abdallah et al., 2019)
Tunisia	Propranolol	19-44	29-70	NA	NA	NA	(Afsa et al., 2019)
Tunisia	Propranolol	NA	NA	0.9	NA	NA	(Khezami et al., 2024)
Morocco	Propranolol	NA	NA	NA	<0.06-40	River/Estuary	(Chafi et al., 2022)
Kuwait	Propranolol	NA	NA	NA	<0.2-4	Seawater	(Gevao et al., 2021)
UAE	Propranolol	12.18	NA	NA	NA	NA	(Salem et al., 2012)
Jordan	Propranolol	1	55-60	NA	<1-20	River	(Shigei et al., 2021)
Tunisia	Propranolol	NA	NA	NA	41.9	River	(Wilkinson et al., 2022)
Palestine	Propranolol	NA	NA	NA	21.8	River	(Wilkinson et al., 2022)
Israel	Propranolol	NA	NA	NA	16.6	River	(Wilkinson et al., 2022)
Tunisia	Ranitidine	NA	NA	NA	53	Seawater	(Afsa et al., 2019)

Kuwait	Ranitidine	2009	NA	NA	NA	NA	(Alajmi, 2014)
Saudi Arabia	Ranitidine	NA	NA	NA	0.5-36.1	Seawater	(Ali et al., 2017)
Saudi Arabia	Ranitidine	290-489	322-413	NA	NA	NA	(Mostafa et al., 2023)
Kuwait	Ranitidine	NA	NA	NA	5.7-1396	Seawater	(Gevao et al., 2021)
Iraq	Ranitidine	NA	NA	NA	11.8-67.1	River	(Wilkinson et al., 2022)
Israel	Ranitidine	NA	NA	NA	92.9-2580	River	(Wilkinson et al., 2022)
Palestine	Ranitidine	NA	NA	NA	19.6-208	River	(Wilkinson et al., 2022)
Lebanon	Rifaximin	NA	NA	NA	155-542	River	(Mokh et al., 2017)
Israel	Roxithromycin	NA	NA	17.5 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Israel	Roxithromycin	sewage (607-1839)	NA	NA	NA	NA	(Sahar et al., 2011a)
Israel	Roxithromycin	sewage (497-1707)	NA	NA	NA	NA	(Sahar et al., 2011b)
Tunisia	Salicylic Acid	3-960	1-10	NA	3-130	Seawater	(Afsa et al., 2019)
Tunisia	Salicylic Acid	NA	NA	1.27-6186.14			(Khezami et al., 2024)
Saudi Arabia	Salicylic Acid	NA	NA	NA	5.25-120.3	Wetlands	(Álvarez-Ruiz et al., 2020)
Lebanon	Salicylic Acid	NA	NA	NA	(<100) 2000-7200	River	(Doummar & Aoun, 2018b)
Kuwait	Salicylic Acid	NA	NA	NA	23.2-3249.8	Seawater	(Gevao et al., 2021)
Saudi Arabia	Salicylic Acid	NA	NA	NA	10.5-129.2	Lake	(Pico et al., 2020)
Lebanon	Sarafloxacin	NA	NA	NA	49-74	River	(Mokh et al., 2017)
Tunisia	Sarafloxacin	500-7900	300-5200	NA	5300	Seawater	(Tahrani et al., 2017)
Iran	Sertraline	2.33-417.57	4-29.04	nA	na	na	(Golbaz et al., 2023)
Jordan	Sertraline	3-5.7	15-16	NA	<1-1.9	River	(Shigei et al., 2021)
Israel	Sildenafil	NA	18537	NA	NA	NA	(Chefetz et al., n.d.)
Tunisia	Sisomycin	2300-6700	1000-3900	NA	400	Seawater	(Tahrani et al., 2016)
Lebanon	Sotalol	NA	NA	NA	44.8	River	(Azzi et al., 2021)
Kuwait	Sotalol	NA	NA	NA	0.5-8	Seawater	(Gevao et al., 2021)
Tunisia	Sotalol	NA	NA	6.3	NA	NA	(Khezami et al., 2024)
Israel	Sotalol	NA	NA	32.9 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Spiramycin	466.67-690.5	293.33-370.04	NA	NA	NA	(Harrabi et al., 2018)
Tunisia	Spiramycin	2000-45300	1300-38200	NA	11100-66400	Seawater	(Tahrani et al., 2017)
Tunisia	Streptomycin	1600-2700	800-1200	NA	700-3400	Seawater	(Tahrani et al., 2016)
Tunisia	Sulfacetamide	1100-2300	1600	NA	NA	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfadiazine	27-41	24-48	NA	6-11	Seawater	(Afsa et al., 2019)
UAE	Sulfadiazine	NA	17.93	NA	3.91	Seawater	(Semerjian et al., 2023)
UAE	Sulfadiazine	720	433	NA	NA	NA	(Semreen et al., 2019)
Tunisia	Sulfadiazine	NA	NA	0.92-1.5			(Khezami et al., 2024)
Tunisia	Sulfadiazine	1300-3900	NA	NA	NA	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfamerazine	1100-3500	1000	NA	4500	Seawater	(Tahrani et al., 2017)
Lebanon	Sulfameter	NA	NA	NA	65	River	(Mokh et al., 2017)
Tunisia	Sulfamethazine	73	7	NA	3	Seawater	(Afsa et al., 2019)
Israel	Sulfamethazine	sewage (6-36)	NA	NA	NA	NA	(Sahar et al., 2011b)
UAE	Sulfamethazine	NA	1.02	nA	0.3	Seawater	(Semerjian et al., 2023)
UAE	Sulfamethazine	24	11	NA	NA	NA	(Semreen et al., 2019)
Tunisia	Sulfamethazine	NA	NA	25.47			(Khezami et al., 2024)
Tunisia	Sulfamethazine	2600-4500	300-1900	NA	1800	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfamethizole	17-110	30-53	NA	4-11	Seawater	(Afsa et al., 2019)
Tunisia	Sulfamethizole	NA	NA	0.33-8.61			(Khezami et al., 2024)
Tunisia	Sulfamethizole	400-800	400	NA	400-2800	Seawater	(Tahrani et al., 2017)
Egypt	Sulfamethoxazole	NA	19	NA	NA	NA	(Abdallah et al., 2019)
Tunisia	Sulfamethoxazole	57-240	10-140	NA	6-11	Seawater	(Afsa et al., 2019)
Saudi Arabia	Sulfamethoxazole	30-132	nd	NA	NA	NA	(Al Qarni et al., 2016)
Saudi Arabia	Sulfamethoxazole	228-755	34-77	NA	NA	NA	(Mostafa et al., 2023)
Kuwait	Sulfamethoxazole	1669	NA	NA	NA	NA	(Alajmi, 2014)
Saudi Arabia	Sulfamethoxazole	NA	NA	NA	31.5-62.4	Seawater	(Ali et al., 2017)
Saudi Arabia	Sulfamethoxazole	NA	65-860	NA	NA	NA	(Alidina et al., 2014)
Jordan	Sulfamethoxazole	900	300	NA	NA	NA	(Al-Tarawneh et al., 2015)
Israel	Sulfamethoxazole	NA	NA	90-150	NA	NA	(Avisar et al., 2009a)
Palestine	Sulfamethoxazole	0.5-79.2	0.5-18.1	NA	NA	NA	(Craddock et al., 2019)
Tunisia	Sulfamethoxazole	400	65-1000	29-46	60-200	River	(Fries et al., 2016)
Kuwait	Sulfamethoxazole	NA	NA	NA	0.8-249.4	Seawater	(Gevao et al., 2021)
Tunisia	Sulfamethoxazole	105-126	50-90	NA	NA	NA	(Harrabi et al., 2018)
Israel	Sulfamethoxazole	NA	211-403	NA	NA	NA	(Lakretz et al., 2017)

Lebanon	Sulfamethoxazole	NA	NA	NA	nd-23	River	(Merhabi et al., 2021)
Israel	Sulfamethoxazole	NA	NA	31.7 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Sulfamethoxazole	40-198	35-365	NA	NA	NA	(Moslah et al. 2018)
Jordan	Sulfamethoxazole	NA	NA	NA	400-1400	River	(Riemenschneider et al., 2016)
Israel	Sulfamethoxazole	Sewage (<25-1367)	NA	NA	NA	NA	(Sahar et al., 2011a)
Israel	Sulfamethoxazole	sewage (214-520)	NA	NA	NA	NA	(Sahar et al., 2011b)
UAE	Sulfamethoxazole	161	75	NA	NA	NA	(Semreen et al., 2019)
UAE	Sulfamethoxazole	NA	37.15	NA	3.18	Seawater	(Semerjian et al., 2023)
Jordan	Sulfamethoxazole	11	20-24	NA	<1-20	River	(Shigei et al., 2021)
Tunisia	Sulfamethoxazole	5700-77400	2700-68700	NA	NA	Seawater	(Tahrani et al., 2017)
Iraq	Sulfamethoxazole	NA	NA	NA	4.23-180	River	(Wilkinson et al., 2022)
Tunisia	Sulfamethoxazole	NA	NA	NA	303	River	(Wilkinson et al., 2022)
Tunisia	Sulfamethoxazole	NA	NA	0.55-9.32			(Khezami et al., 2024)
Israel	Sulfamethoxazole	NA	NA	NA	674	River	(Wilkinson et al., 2022)
Israel	Sulfamethoxazole	NA	250-500	NA	NA	NA	(Zemann et al., 2015)
Israel	Sulfamethoxazole	NA	10-80	NA	NA	NA	(Chefetz et al., n.d.)
Israel	Sulfamethoxazole	NA	0.27-0.43	NA	NA	NA	(Chefetz et al., n.d.)
Tunisia	Sulfamethoxy-pyridazine	120	NA	NA	5	Seawater	(Afsa et al., 2019)
Tunisia	Sulfamoxole	1400-2900	1300-1900	NA	300-800	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfaphenazole	200	100	NA	200-600	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfapyridine	310.03-365.5	200.33-263.3	NA	NA	NA	(Harrabi et al., 2018)
UAE	Sulfapyridine	252	99.9	NA	NA	NA	(Semreen et al., 2019)
UAE	Sulfapyridine	NA	6.91-37.33	NA	3.91	Seawater	(Semerjian et al., 2023)
Tunisia	Sulfapyridine	5500-24000	2800-18200	NA	200-400	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfapyridine	NA	NA	0.45	NA	NA	(Khezami et al., 2024)
Israel	Sulfapyridine	NA	0.16-0.26	NA	NA	NA	(Chefetz et al., n.d.)
Tunisia	Sulfathiazole	15	12	NA	3	Seawater	(Afsa et al., 2019)
UAE	Sulfathiazole	NA	3.42	NA	0.76		(Semerjian et al., 2023)
Lebanon	Sulfathiazole	NA	NA	NA	4100	River	(Mokh et al., 2017)
Tunisia	Sulfathiazole	1000-2800	1100	NA	NA	Seawater	(Tahrani et al., 2017)
Tunisia	Sulfisoxazole	11	28	NA	NA	NA	(Afsa et al., 2019)
Saudi Arabia	Sulfathiazole	66	NA	NA	NA	NA	(Mostafa et al., 2023)
Tunisia	Sulfisoxazole	2300-2500	1100-1400	NA	100-700	Seawater	(Tahrani et al., 2017)
Kuwait	Tamsulosin	NA	NA	NA	0.3-3.9	Seawater	(Gevao et al., 2021)
Kuwait	Tenoxicam	NA	NA	NA	<0.2-4	Seawater	(Gevao et al., 2021)
UAE	Terbutaline	7.53	NA	NA	NA	NA	(Salem et al., 2012)
Qatar	Tetracycline	<0.1-0.25(HWW influent)	<0.1-0.32 (WWT)	NA	NA	NA	(Al Maadheed, 2016)
Qatar	Tetracycline	197-319	<10-260	NA	NA	NA	(Al-Maadheed et al., 2019)
Palestine	Tetracycline	0.5-887.5	0.5-2000	NA	NA	NA	(Craddock et al., 2019)
Kuwait	Tetracycline	NA	NA	NA0	43.7-62.5	Seawater	(Gevao et al., 2021)
Iran	Tetracycline	<10-145	<10-12.5	NA	4-71.15	Seawater	(Kafaei et al., 2018)
Tunisia	Tetracycline	1100-2500	NA	NA	3900	Seawater	(Tahrani et al., 2017)
Lebanon	Theophylline	NA	NA	NA	(<20) 22-58	River	(Doummar & Aoun, 2018b)
Kuwait	Thiabendazole	NA	NA	NA	0.3-11.5	Seawater	(Gevao et al., 2021)
Israel	Thiabendazole	NA	NA	396.2 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Morocco	Thiamphenicol	NA	NA	NA	<0.03-106	River/Estuary	(Chafi et al., 2022)
Iran	Thioridazine	2.1-485.31	9.08-52.17				(Golbaz et al., 2023)
Tunisia	Timolol	2-10	8-17	NA	0.3	Seawater	(Afsa et al., 2019)
Tunisia	Tramadol	NA	NA	4.87-8.88			(Khezami et al., 2024)
Egypt	Tramadol	NA	192-1103	NA	32-93	River	(Abdallah et al., 2019)
Saudi Arabia	Tramadol	NA	NA	NA	289.89-353.46	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Tramadol	NA	NA	NA	289.5-353.5	Lake	(Pico et al., 2020)
Iraq	Tramadol	NA	NA	NA	220	River	(Wilkinson et al., 2022)
Kuwait	Trazodone	NA	NA	NA	<0.2-2	Seawater	(Gevao et al., 2021)
Tunisia	Triclosan	NA	NA	1.6-378			(Khezami et al., 2024)
Egypt	Trimethoprim	NA	271-2738	NA	116-230	River	(Abdallah et al., 2019)
Kuwa	Trimethoprim	1814	NA	NA	NA	NA	(Alajmi, 2014)
Saudi Arabia	Trimethoprim	NA	NA	NA	0.2-45.6	Seawater	(Ali et al., 2017)
Saudi Arabia	Trimethoprim	NA	23-4140	NA	NA	NA	(Alidina et al., 2014)
Saudi Arabia	Trimethoprim	NA	NA	NA	236.42-586.25	Wetlands	(Álvarez-Ruiz et al., 2020)
Saudi Arabia	Trimethoprim	67-204	74-205	NA	NA	NA	(Mostafa et al., 2023)

Tunisia	Trimethoprim	80	10-90	NA	10-90	River	(Fries et al., 2016)
Kuwait	Trimethoprim	NA	NA	NA	<0.2-107.7	Seawater	(Gevao et al., 2021)
Tunisia	Trimethoprim	56.6-86.67	7.5-10.02	NA	NA	NA	(Harrabi et al., 2018)
Saudi Arabia	Trimethoprim	NA	NA	NA	586.2	Lake	(Pico et al., 2020)
Israel	Trimethoprim	Sewage (<25-127)	NA	NA	NA	NA	(Sahar et al., 2011a)
Israel	Trimethoprim	Sewage (27-51)	NA	NA	NA	NA	(Sahar et al., 2011b)
Tunisia	Trimethoprim	300-3500	600-15600	NA	300-3500	Seawater	(Tahrani et al., 2017)
Morocco	Trimethoprim	NA	NA	NA	7.56	River	(Wilkinson et al., 2022)
Tunisia	Trimethoprim	NA	NA	NA	114	River	(Wilkinson et al., 2022)
Tunisia	Trimethoprim	NA	NA	1.15-30.75			(Khezami et al., 2024)
Iraq	Trimethoprim	NA	NA	NA	2.06-114	River	(Wilkinson et al., 2022)
Palestine	Trimethoprim	NA	NA	NA	139	River	(Wilkinson et al., 2022)
Israel	Trimethoprim	NA	NA	NA	433	River	(Wilkinson et al., 2022)
Egypt	Valsartan	NA	107-594	NA	36-104	River	(Abdallah et al., 2019)
Tunisia	Valsartan	NA	NA	1.02			(Khezami et al., 2024)
Kuwait	Valsartan	NA	NA	NA	2.6-568.3	Seawater	(Gevao et al., 2021)
Palestine	Venlafaxine	0.3-12.7	nd	NA	NA	NA	(Craddock et al., 2019)
Iran	Venlafaxine	22.28–566.93	2.50–429.15				(Golbaz et al., 2023)
Israel	Venlafaxine	NA	34-11200	NA	1660	River	(Gasser et al., 2012)
Kuwait	Venlafaxine	NA	NA	NA	0.3-18.9	Seawater	(Gevao et al., 2021)
Israel	Venlafaxine	NA	241-286	NA	NA	NA	(Lakretz et al., 2017)
Israel	Venlafaxine	11720	11340	NA	NA	NA	(Lester et al., 2013)
Israel	Venlafaxine	NA	NA	84.3 (irrigation)	NA	NA	(Ben Mordechay et al., 2021)
Tunisia	Venlafaxine	NA	NA	NA	25.4-40.6	River	(Wilkinson et al., 2022)
Tunisia	Venlafaxine	NA	NA	0.17			(Khezami et al., 2024)
Israel	Venlafaxine	NA	750-875	NA	NA	NA	(Zemann et al., 2015)
Kuwait	Xylazine	NA	NA	NA	3.3-4.3	Seawater	(Gevao et al., 2021)

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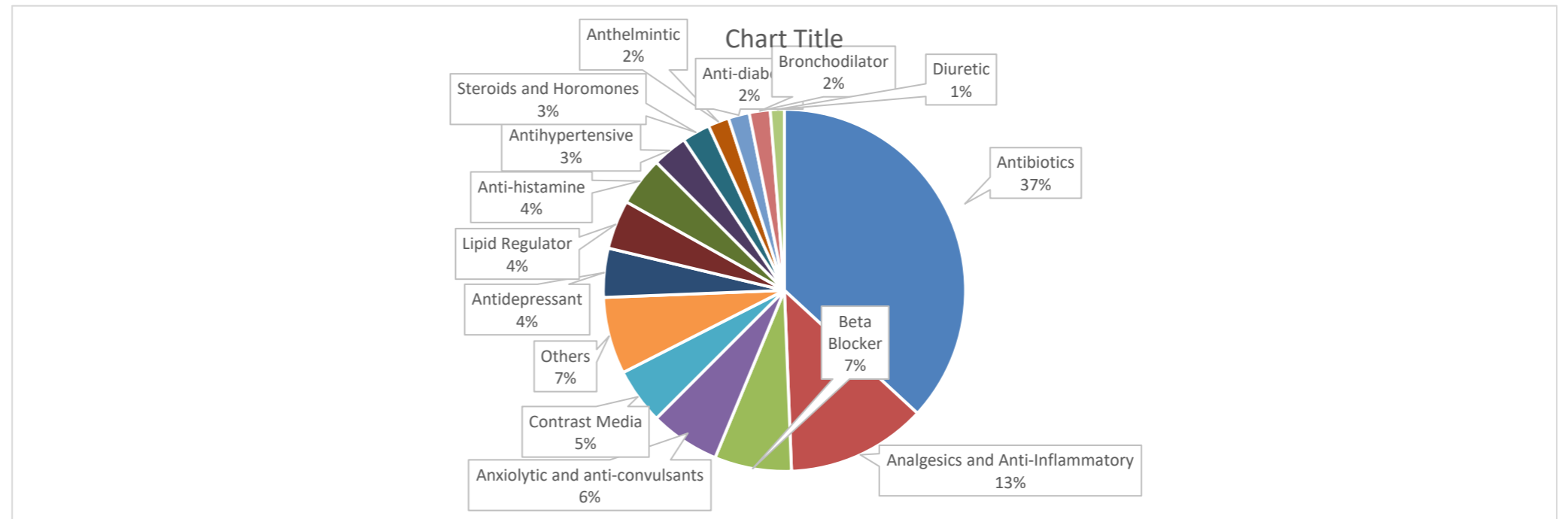
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Compound	Status	Therapeutic Class or Reason for Exclusion
Climbazole	Included	alkylating agent
Cyclophosphamide		alkylating agent
Acetaminophen		Analgesics and Anti-Inflammatory
Acetylsalicylic Acid (Aspirin)		Analgesics and Anti-Inflammatory
Codeine		Analgesics and Anti-Inflammatory
Diclofenac		Analgesics and Anti-Inflammatory
Etoricoxib		Analgesics and Anti-Inflammatory
Flunixin		Analgesics and Anti-Inflammatory
Hydrocortisone		Analgesics and Anti-Inflammatory
Ibuprofen		Analgesics and Anti-Inflammatory
Indomethacin		Analgesics and Anti-Inflammatory
Ketoprofen		Analgesics and Anti-Inflammatory
Meclofenamic acid		Analgesics and Anti-Inflammatory
Mefenamic acid		Analgesics and Anti-Inflammatory
Meloxicam		Analgesics and Anti-Inflammatory
Naproxen		Analgesics and Anti-Inflammatory
Niflumic Acid		Analgesics and Anti-Inflammatory
Phenazone		Analgesics and Anti-Inflammatory
Phenylbutazone		Analgesics and Anti-Inflammatory
Salicylic Acid		Analgesics and Anti-Inflammatory
Tenoxicam		Analgesics and Anti-Inflammatory
Tramadol		Analgesics and Anti-Inflammatory
Albendazole		Anthelmintic
Levamisol		Anthelmintic
Thiabendazole		Anthelmintic
Amikacin (Kanamycin B)		Antibiotic
Amoxicillin		Antibiotic
Ampicillin		Antibiotic
Azithromycin		Antibiotic
Carbadox		Antibiotic
Cefixime		Antibiotic
Cephalexin		Antibiotic
Ceftriaxone		Antibiotic
Chloramphenicol		Antibiotic
Ciprofloxacin		Antibiotic
Clarithromycin		Antibiotic
Clavulanic acid		Antibiotic
Danofloxacin		Antibiotic
Dapsone		Antibiotic
Dimetridazole	Antibiotic	
Doxycycline	Antibiotic	
Enrofloxacin	Antibiotic	
Erythromycin	Antibiotic	
Florfenicol	Antibiotic	
Flumequine	Antibiotic	
Gentamicin	Antibiotic	
Josamycin	Antibiotic	
Lincomycin	Antibiotic	
Linezolid	Antibiotic	
Metformin	Antibiotic	
Metronidazole	Antibiotic	
Naladixic acid	Antibiotic	
Neomycin	Antibiotic	
Norfloracin	Antibiotic	
Ofloxacin	Antibiotic	
Oxacillin	Antibiotic	
Oxytetracycline	Antibiotic	
Paromomycin	Antibiotic	
Penicillin	Antibiotic	
Pipemidic acid	Antibiotic	

■ Included
■ Excluded
■ Non-Pharmaceutical
■ Stimulant
■ Natural Hormone
■ Metabolite

	In all matrices		In surface water
Antibiotics	59	36.875	48
Analgesics and Anti-Inflammatory	20	12.5	20
Beta Blocker	11	6.875	8
Anxiolytic and anti-convulsants	10	6.25	8
Contrast Media	8	5	6
Others	11	6.875	7
Antidepressant	7	4.375	7
Lipid Regulator	7	4.375	7
Anti-histamine	7	4.375	6
Antihypertensive	5	3.125	4
Steroids and Horomones	4	2.5	4
Anthelmintic	3	1.875	3
Anti-diabetic	3	1.875	1
Bronchodilator	3	1.875	2
Diuretic	2	1.25	2
	160		133



Rifaximin	Antibiotic
Roxithromycin	Antibiotic
Sarafloxacin	Antibiotic
Sisomicin	Antibiotic
Spiramicin	Antibiotic
Streptomycin	Antibiotic
Sulfacetamide	Antibiotic
Sulfadiazine	Antibiotic
Sulfameter	Antibiotic
Sulfamerazine	Antibiotic
Sulfamethazine	Antibiotic
Sulfamethoxazole	Antibiotic
Sulfamethizole	Antibiotic
Sulfamethoxypyridazine	Antibiotic
Sulfamoxole	Antibiotic
Sulfaphenazole	Antibiotic
Sulfapyridine	Antibiotic
Sulfathiazole	Antibiotic
Sulfisoxazole	Antibiotic
Tetracycline	Antibiotic
Thiamphenicol	Antibiotic
Trimethoprim	Antibiotic
Phenobarbital	Anticonvulsant
Amitriptyline	Antidepressant
Citalopram	Antidepressant
Diazepam	Antidepressant
Fluoxetine	Antidepressant
Sertraline	Antidepressant
Trazodone	Antidepressant
Venlafaxine	Antidepressant
Glibenclamide	Anti-diabetic
Glimepiride	Anti-diabetic
Methotrexate	Anti-diabetic
Cetirizine	Anti-histamine
Cimetidine	Anti-histamine
Diphenhydramine	Anti-histamine
Famotidine	Anti-histamine
Fexofenadine	Anti-histamine
Loratadine	Anti-histamine
Ranitidine	Anti-histamine
Amlodipine	Antihypertensive
Irbesartan	Antihypertensive
Losartan	Antihypertensive
Valsartan	Antihypertensive
Hydroxychloroquine	Antimicrobial
Triclosan	Antimicrobial
Thioridazine	antipsychotic
Alprazolam	Anxiolytic and anti-convulsants
Carbamazepine	Anxiolytic and anti-convulsants
Dilantin (Phenytoin)	Anxiolytic and anti-convulsants
Gabapentin	Anxiolytic and anti-convulsants
Lamotrigine	Anxiolytic and anti-convulsants
Lorazepam	Anxiolytic and anti-convulsants
Meprobamate	Anxiolytic and anti-convulsants
Oxazepam	Anxiolytic and anti-convulsants
Primidone	Anxiolytic and anti-convulsants
Acebutolol	Beta Blocker
Atenolol	Beta Blocker
Betaxolol	Beta Blocker
Bisoprolol	Beta Blocker
Carazolol	Beta Blocker

Labetalol	Beta Blocker
Metoprolol	Beta Blocker
Nadolol	Beta Blocker
Propranolol	Beta Blocker
Sotalol	Beta Blocker
Timolol	Beta Blocker
Albuterol	Bronchodilator
Terbutalin	Bronchodilator
Theophylline	Bronchodilator
Diatrizoic acid	Contrast Media
Iohexol	Contrast Media
Iomeprol	Contrast Media
Iopamidol	Contrast Media
Iopromide	Contrast Media
Iotalamic acid	Contrast Media
Ioxaglic acid	Contrast Media
Ioxithalamic acid	Contrast Media
Furosemide	Diuretic
Hydrochlorothiazide	Diuretic
Atorvastatin	Lipid Regulator
Bezafibrate	Lipid Regulator
Clofibrate (clofibric acid)	Lipid Regulator
Fenofibrate (Fenobibric acid)	Lipid Regulator
Gemfibrozil	Lipid Regulator
Pravastatin	Lipid Regulator
Tamulosin	Lipid Regulator
Acridine	Metabolite of Carbamazepine
Acridone	Metabolite of Carbamazepine
Dihydrocy Carbamazepine	Metabolite of Carbamazepine
EpoxyCarbamazepine	Metabolite of Carbamazepine
Benzoylcegonine	Metabolite of Cocaine
Anhydroerythromycin	Metabolite of Erythromycin
Norfluoxetine	Metabolite of Fluoxetine
Desloratidine	Metabolite of Loratadine
O-desmethyl-naproxene	Metabolite of Naproxene
Cotinine	Metabolite of Nicotine
Propyphenazone	Metabolite of Phenazone
Neospiramycin	Metabolite of Spiramycin
O-desmethyl-venlafaxine	Metabolite of Venlafaxine
Estrogen	Natural Hormone
Testosterone	Natural Hormone
Acesulfame	Non-Pharmaceutical
Atrazine	Non-Pharmaceutical
Benzophenone	Non-Pharmaceutical
Benzotriazole	Non-Pharmaceutical
Bisphenol A	Non-Pharmaceutical
Butylparaben	Non-Pharmaceutical
Diuron	Non-Pharmaceutical
Isoproturon	Non-Pharmaceutical
Metalaxyl	Non-Pharmaceutical
Metazachlor	Non-Pharmaceutical
Methylparaben	Non-Pharmaceutical
Nonylphenol	Non-Pharmaceutical
Octylphenol	Non-Pharmaceutical
Oxybenzone	Non-Pharmaceutical
Paraxanthine	Non-Pharmaceutical
2-Phenylphenol	Non-Pharmaceutical
4-Phenylphenol	Non-Pharmaceutical
Quinoline	Non-Pharmaceutical
Theobromine	Non-Pharmaceutical

Triclocarban		Non-Pharmaceutical
Troclosan		Non-Pharmaceutical
Clopidogrel		Others
Clotrimazole		Others
Diltiazem		Others
Lidocaine		Others
N-acetylcysteine		Others
Olanzapine		Others
Sildenafil		Others
Xylazine		Others
17 β estradiol		Steroids and Horomones
Estriol		Steroids and Horomones
Estrone		Steroids and Horomones
Ethinylestradiol		Steroids and Horomones
Amphetamine		Stimulant
Cocaine		Stimulant
Methamphetamine		Stimulant
Nicotine		Stimulant
Oxolinic acid		Stimulant

Italic: NOEC or LOEC; Bold: Zhou et al.; Colored: EMEA, 1999; Underline: ECOSAR;
 Unmarked: E(L)C50 from ECOTOX

Not in SW red: from previous toxicity studies

Compound	EC50/LC50/NOEC/LOEC (smallest value) (ng/L)			AF*	PNEC (ng/L)			Smallest PNEC	Surface Water RQ			SW Maximum MEC	Surface Water RQ based on smallest PNEC	Result
	Algae	Fish	Daphnid		Algae	Fish	Daphnid		Algae	Fish	Daphnid			
17β estradiol	<i>8.000E+03</i>	<i>1.6000E+01</i>	<i>6.0000E+03</i>	10	8.0000E+02	1.60E+00	6.0000E+02	1.60	1.1250E+03	5.63E+05	1.5000E+03	900000	562500.0000	Risky
Acebutolol	<u>9.42E+07</u>	<u>1.32E+08</u>	<u>6.15E+07</u>	1000	9.4160E+04	1.32E+05	6.1477E+04	6.1477E+04						
Acetaminophen	<i>5.0000E+03</i>	<i>5.0000E+08</i>	<i>3.2000E+05</i>	10	5.0000E+02	5.00E+07	3.2000E+04	500.00	1.9660E+02	1.97E-03	3.0719E+00	98300	196.6000	Risky
Acetylsalicylic acid (Aspirin)	<u>8.67E+08</u>	<i>1.00E+05</i>	<i>6.10E+04</i>	50	1.7334E+07	2.00E+03	1.2200E+03	1.2200E+03	1.0961E-05	9.50E-02	1.5574E-01	190	1.5574E-01	Unlikely
Albendazole	4.60E+06	<i>2.20E+04</i>	1.00E+08	100	4.6000E+04	2.20E+02	1.0000E+06	2.2000E+02	7.6522E-04	1.60E-01	3.5200E-05	35.2	1.6000E-01	Unlikely
Albuterol	<u>1.45E+08</u>	<u>2.78E+08</u>	<u>1.13E+08</u>	1000	1.4459E+05	2.78E+05	1.1343E+05	1.1343E+05	1.3832E-06	7.20E-07	1.7632E-06	0.2	1.7632E-06	Unlikely
Alprazolam	<u>5.45E+06</u>	<u>5.31E+06</u>	<u>3.58E+06</u>	1000	5.4470E+03	5.31E+03	3.5810E+03	3.5810E+03	7.1489E-02	7.34E-02	1.0874E-01	389.4	1.0874E-01	Unlikely
Amikacin (Kanamycin B)	<u>1.70E+03</u>	<u>1.30E+07</u>	<u>1.70E+06</u>	10	1.7000E+02	1.30E+06	1.7000E+05	170.00	8.8235E+00	1.15E-03	8.8235E-03	1500	8.8235	Risky
Amitriptyline	7.77E+05	<u>6.16E+05</u>	1.15E+06	1000	7.7700E+02	6.16E+02	1.1512E+03	6.1600E+02	3.5779E-02	4.51E-02	2.4149E-02	27.8	4.5130E-02	Unlikely
Amlodipine	8.77E+05	<u>5.12E+05</u>	<u>3.82E+05</u>	1000	8.7700E+02	5.12E+02	3.8200E+02	3.8200E+02	3.9909E-03	6.84E-03	9.1623E-03	3.5	9.1623E-03	Unlikely
Amoxicillin	<i>7.8000E+02</i>	<i>1.0000E+06</i>	<i>2.7130E+08</i>	50	<i>1.5600E+01</i>	<i>2.00E+04</i>	<i>5.4260E+06</i>	15.60	<i>1.6026E+01</i>	<i>1.25E-02</i>	<i>4.6074E-05</i>	250	<i>16.0256</i>	Risky
Ampicillin	<i>1.00E+09</i>	2.25E+09	1.42E+08	100	1.0000E+07	2.25E+07	1.4211E+06	1.4211E+06	3.0040E-06	1.33E-06	2.1139E-05	30.04	2.1139E-05	Unlikely
Atenolol	<i>1.0000E+07</i>	<i>1.0000E+06</i>	3.8000E+04	50	2.0000E+05	2.00E+04	7.6000E+02	760.00	1.9500E-02	1.95E-01	5.1316E+00	3900	5.1316	Risky
Atorvastatin	<i>8.5000E+04</i>	<i>1.3000E+01</i>	<i>1.0000E+03</i>	10	8.5000E+03	1.30E+00	1.0000E+02	1.30	5.5847E-02	3.65E+02	4.7470E+00	474.7	365.1538	Risky
Azithromycin	<u>1.85E+06</u>	<u>2.19E+07</u>	<u>3.02E+06</u>	1000	1.8470E+03	2.19E+04	3.0230E+03	1.8470E+03	2.0449E-01	1.72E-02	1.2494E-01	377.7	2.0449E-01	Unlikely
Bezafibrate	<u>1.3520E+06</u>	2.6600E+05	<i>2.3000E+04</i>	1000	1.3520E+03	2.66E+02	2.3000E+01	23.00	1.1987E+00	6.09E+00	7.0461E+01	1620.6	70.4609	Risky
Bisoprolol	<u>8.01E+06</u>	<u>7.99E+07</u>	<u>9.35E+06</u>	1000	8.0090E+03	7.99E+04	9.3510E+03	8.0090E+03	1.0738E-02	1.08E-03	9.1969E-03	86	1.0738E-02	Unlikely
Carazolol	<u>1.93E+06</u>	<u>2.11E+07</u>	<u>2.72E+06</u>	1000	1.9290E+03	2.11E+04	2.7210E+03	1.9290E+03	1.5552E-03	1.42E-04	1.1025E-03	3	1.5552E-03	Unlikely
Carbadox	<u>7.84E+06</u>	<u>4.09E+07</u>	<u>4.20E+08</u>	1000	7.8400E+03	4.09E+04	4.2031E+05	7.8400E+03	1.5306E-03	2.94E-04	2.8551E-05	12	1.5306E-03	Unlikely
Carbamazepine	1.7000E+04	<i>1.0000E+05</i>	<i>1.0000E+02</i>	50	3.4000E+02	2.00E+03	2.0000E+00	2.00	9.8618E+00	1.68E+00	1.6765E+03	3353	1676.5000	Risky
Cefixime	<u>1.45E+08</u>	<u>1.32E+10</u>	<u>3.38E+07</u>	1000	1.3241E+07	1.32E+07	3.3791E+04	3.3791E+04	1.1026E-05	1.10E-05	4.3207E-03	146	4.3207E-03	Unlikely
Ceftriaxone					<i>3.3100E+02</i>									
	<u>3.31E+03</u>		<u>9.20E+07</u>	10			<i>9.2000E+06</i>	3.3100E+02	<i>2.4169E-01</i>		<i>2.4169E-01</i>	80	<i>2.4169E-01</i>	Unlikely
Cephalexin	<u>3.20E+08</u>	<u>7.46E+09</u>	<u>7.38E+08</u>	1000	7.4558E+06	7.46E+06	7.3829E+05	7.3829E+05	2.4679E-05	2.47E-05	2.4922E-04	184	2.4922E-04	Unlikely
Cetirizine	<u>5.13E+09</u>	<u>3.87E+10</u>	<u>3.41E+09</u>	1000	5.1276E+06	3.87E+07	3.4093E+06	3.4093E+06	1.1662E-04	1.54E-05	1.7540E-04	598	1.7540E-04	Unlikely
Chloramphenicol	<i>2.50E+06</i>	<u>3.88E+07</u>	<i>2.00E+06</i>	50	5.0000E+04	7.76E+05	4.0000E+04	4.0000E+04	3.1200E-01	2.01E-02	3.9000E-01	15600	3.9000E-01	Unlikely
Cimetidine	<u>7.8700E+05</u>	<i>1.0000E+08</i>	2.7130E+08	100	7.8700E+03	1.00E+06	2.7130E+06	7.8700E+03	1.1436E-01	9.00E-04	3.3174E-04	900	1.1436E-01	Unlikely
Ciprofloxacin	5.0000E+03	1.0000E+07	<i>6.0000E+07</i>	100	5.0000E+01	1.00E+05	6.0000E+05	50.00	5.3944E+01	2.70E-02	4.4953E-03	2697.2	53.9440	Risky
Citalopram	1.60E+06	<i>1.00E+03</i>	<i>8.00E+05</i>	50	3.2000E+04	2.00E+01	1.6000E+04	2.0000E+01	4.7813E-04	7.65E-01	9.5625E-04	15.3	7.6500E-01	Unlikely
Clarithromycin	2.00E+03	<i>1.00E+09</i>	8.16E+06	100	2.0000E+01	1.00E+07	8.1600E+04	20.00	3.3850E+01	6.77E-05	8.2966E-03	677	33.8500	Risky
Clavulanic acid	<u>6.07E+09</u>	<u>1.55E+08</u>	<u>1.55E+07</u>	1000	6.0674E+06	1.55E+05	1.5475E+04	15475.00	7.3809E-03	2.89E-01	2.8939E+00	44783	2.8939	Risky
Clofibrate (clofibric acid)	<i>7.5000E+07</i>	<i>1.0000E+05</i>	<i>6.4000E+07</i>	10	7.5000E+06	1.00E+04	6.4000E+06	1.0000E+04	1.1733E-05	8.80E-03	1.3750E-05	88	8.8000E-03	Unlikely
Clopidogrel	<u>3.15E+05</u>	<u>3.93E+06</u>	<u>5.79E+05</u>	1000	3.1500E+02	3.93E+03	5.7900E+02	3.1500E+02	1.2381E-02	9.92E-04	6.7358E-03	3.9	1.2381E-02	Unlikely
Clotrimazole	<u>4.00E+04</u>	<u>3.60E+04</u>	<u>1.05E+05</u>	1000	4.0000E+01	3.60E+01	1.0500E+02	3.6000E+01	5.7500E-01	6.39E-01	2.1905E-01	23	6.3889E-01	Unlikely
Codeine	<u>3.29E+08</u>	<u>1.10E+09</u>	<u>5.83E+08</u>	1000	3.2950E+05	1.10E+06	5.8303E+05	3.2950E+05	1.5023E-03	4.51E-04	8.4902E-04	495	1.5023E-03	Unlikely
cyclophosphamid	<u>1.25E+07</u>		<i>1.25E+07</i>	1000	<i>1.2500E+04</i>		<i>1.2500E+04</i>	1.2500E+04	<i>1.6000E-04</i>		<i>1.6000E-04</i>	2	<i>1.6000E-04</i>	Unlikely
Danofloxacin												97		
Dapsone	<u>5.54E+06</u>	<u>2.53E+08</u>	<u>1.82E+06</u>	1000	5.5350E+03	2.53E+05	1.8240E+03	1824.00	5.0587E-01	1.11E-02	1.5351E+00	2800	1.5351	Risky
Diatrizoic acid	<u>5.86E+08</u>	<u>1.87E+09</u>	<u>1.00E+09</u>	1000	5.8642E+05	1.87E+06	1.0030E+06	5.8642E+05	1.4495E-03	4.54E-04	8.4744E-04	850	1.4495E-03	Unlikely
Diazepam	<u>9.7800E+05</u>	<i>2.3500E+05</i>	4.3000E+06	100	9.7800E+03	2.35E+03	4.3000E+04	2.3500E+03	1.3292E-03	5.53E-03	3.0233E-04	13	5.5319E-03	Unlikely
Diclofenac	<i>5.0000E+03</i>	<i>5.0000E+02</i>	<i>1.0000E+01</i>	10	5.0000E+02	5.00E+01	1.0000E+00	1.00	2.0442E+01	2.04E+02	1.0221E+04	10221.1	10221.1000	Risky
Dilantin (Phenytoin)	<u>9.22E+05</u>	<u>5.29E+05</u>	<u>3.96E+05</u>	1000	9.2200E+02	5.29E+02	3.9600E+02	3.9600E+02	1.9523E-01	3.40E-01	4.5455E-01	180	4.5455E-01	Unlikely
Diltiazem	<u>2.15E+06</u>	<i>5.00E+05</i>	<i>8.20E+06</i>	100	2.1510E+04	5.00E+03	8.2000E+04	5.0000E+03	4.4956E-03	1.93E-02	1.1793E-03	96.7	1.9340E-02	Unlikely
Dimetridazole	<u>3.50E+05</u>	<u>2.56E+07</u>	<u>4.27E+06</u>	1000	3.5000E+02	2.56E+04	4.2720E+03	3.5000E+02	5.2400E-01	7.16E-03	4.2931E-02	183.4	5.2400E-01	Unlikely
Diphenhydramine	<u>7.98E+05</u>	<u>9.20E+06</u>	<u>1.25E+06</u>	1000	7.9800E+02	9.20E+03	1.2470E+03	798.00	1.6291E+00	1.41E-01	1.0425E+00	1300	1.6291	Risky
Doxycycline	<u>2.00E+09</u>	<u>1.39E+10</u>	<u>1.17E+08</u>	1000	1.9990E+06	1.39E+07	1.1735E+05	1.1735E+05	1.4507E-05	2.09E-06	2.4713E-04	29	2.4713E-04	Unlikely
Enrofloxacin	<i>4.90E+04</i>	<i>5.00E+06</i>	<i>1.00E+07</i>	50	9.8000E+02	1.00E+05	2.0000E+05	9.8000E+02	4.5408E-01	4.45E-03	2.2250E-03	445	4.5408E-01	Unlikely
Erythromycin	<i>2.0000E+03</i>	<i>1.0000E+08</i>	2.2000E+05	50	4.0000E+01	2.00E+06	4.4000E+03	40.00	9.7500E+01	1.95E-03	8.8636E-01	3900	97.5000	Risky
Estrilol	<u>2.23E+07</u>	<i>4.6500E+01</i>	<u>5.24E+06</u>	100	2.2252E+05	4.65E-01	5.2350E+04	0.47	6.8308E-04	3.27E+02	2.9035E-03	152	326.8817	Risky
Estrone	8.7400E+06	<i>1.9800E+05</i>	<i>1.0000E+03</i>	50	1.7480E+05	3.96E+03	2.0000E+01	20.00	1.5160E-03	6.69E-02	1.3250E+01	265	13.2500	Risky

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Supplementary Table
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(Russo et al.,
2018)

Ethinylestradiol	8.4000E+05	2.0000E+00	1.0000E+00	50	1.6800E+04	4.00E-02	2.0000E-02	0.02	2.9762E-03	1.25E+03	2.5000E+03	50	2500.0000	Risky
Etoricoxib	1.00E+07	7.93E+06	7.50E+05	50	2.0000E+05	1.59E+05	1.5000E+04	1.5000E+04	2.3700E-03	2.99E-03	3.1600E-02	474	3.1600E-02	Unlikely
Famotidine	4.78E+08	1.00E+08	1.00E+08	1000	4.7814E+05	1.00E+05	1.0000E+05	1.0000E+05	5.4586E-05	2.61E-04	2.6100E-04	26.1	2.6100E-04	Unlikely
Fenofibrate (Fenobibric acid)	1.0850E+07	7.0000E+05	4.9000E+06	100	1.0850E+05	7.00E+03	4.9000E+04	7.0000E+03	9.2166E-03	1.43E-01	2.0408E-02	1000	1.4286E-01	Unlikely
Fexofenadine	2.5280E+07	2.8191E+08	3.6935E+07	1000	2.5280E+04	2.82E+05	3.6935E+04	25280.00	7.9905E-01	7.17E-02	5.4691E-01	20200	0.799050633	Unlikely
Florfenicol	2.30E+06	3.50E+07	8.89E+08	100	2.3000E+04	3.50E+05	8.8900E+06	2.3000E+04	8.0000E-01	5.26E-02	2.0697E-03	18400	8.0000E-01	Unlikely
Flumequine	1.59E+05	7.84E+08	7.50E+05	100	1.5900E+03	7.84E+06	7.5000E+03	1590.00	2.6415E+00	5.36E-04	5.6000E-01	4200	2.6415	Risky
Flunixin	1.02E+07	6.08E+06	4.51E+06	1000	1.0200E+04	6.08E+03	4.5100E+03	4.5100E+03	3.1373E-03	5.26E-03	7.0953E-03	32	7.0953E-03	Unlikely
Fluoxetine	7.20E+04	3.00E+01	1.00E+04	10	7.2000E+03	3.00E+00	1.0000E+03	3.00	5.6944E-03	1.37E+01	4.1000E-02	41	13.6667	Risky
Furosemide	1.9797E+07	5.88E+08	1.5600E+05	100	1.9797E+05	5.88E+06	1.5600E+03	1.5600E+03	2.5256E-03	8.50E-05	3.2051E-01	500	3.2051E-01	Unlikely
Gabapentin	7.77E+09	8561.85	1.1000E+09	1000	7.7710E+06	8.56E+00	1.1000E+06	8.56	7.7982E-04	7.08E+02	5.5091E-03	6060	707.7910	Risky
Gemfibrozil	3.1250E+06	1.5000E+03	7.8000E+04	10	3.1250E+05	1.50E+02	7.8000E+03	150.00	1.0560E-02	2.20E+01	4.2308E-01	3300	22.0000	Risky
Gentamicin	4.34E+09	2.84E+10	2.16E+09	1000	4.3439E+06	2.84E+07	2.1572E+06	2.1572E+06	3.2229E-04	4.93E-05	6.4899E-04	1400	6.4899E-04	Unlikely
Glibenclamide	3.08E+05	3.08E+05	5.85E+05	1000	3.0800E+02	3.08E+02	5.8500E+02	3.0800E+02	4.6429E-02	4.64E-02	2.4444E-02	14.3	4.6429E-02	Unlikely
Glimepiride												32000		
Hydrochlorothiazide	5.62E+07	2.81E+09	8.13E+09	1000	5.6184E+04	2.81E+06	8.1250E+06	5.6184E+04	3.7377E-02	7.48E-04	2.5846E-04	2100	3.7377E-02	Unlikely
Hydrocortisone	2.33E+08	6.60E+08	3.62E+08	1000	2.3263E+05	6.60E+05	3.6175E+05	2.3263E+05	2.7511E-04	9.69E-05	1.7692E-04	64	2.7511E-04	Unlikely
Ibuprofen	2.0000E+06	1.0000E+02	1.0000E+06	10	2.0000E+05	1.00E+01	1.0000E+05	10.00	1.2035E-02	2.41E+02	2.4070E-02	2407	240.7000	Risky
Indomethacin	2.9000E+06	4.4000E+07	2.7000E+07	100	2.9000E+04	4.40E+05	2.7000E+05	2.9000E+04	1.4138E-03	9.32E-05	1.5185E-04	41	1.4138E-03	Unlikely
Iohexol	6.05E+11	1.4E+13	5.09E+12	1000	6.0500E+08	1.40E+10	5.0900E+09	6.0500E+08	6.4463E-05	2.79E-06	7.6621E-06	39000	6.4463E-05	Unlikely
iomeprol	3.20E+09	8.93E+10	1.44E+11	1000	3.2000E+06	8.93E+07	1.4400E+08	3.2000E+06	2.5625E-03	9.18E-05	5.6944E-05	8200	2.5625E-03	Unlikely
iopamidol	5.86E+10	6.87E+11	2.86E+11	1000	5.8628E+07	6.87E+08	2.8600E+08	5.8628E+07	1.3304E-03	1.14E-04	2.7273E-04	78000	1.3304E-03	Unlikely
Iopromide	4.5810E+09	9.6200E+08	1.0000E+09	1000	4.5810E+06	9.62E+05	1.0000E+06	9.6200E+05	1.7245E-03	8.21E-03	7.9000E-03	7900	8.2121E-03	Unlikely
Iotalamic acid	4.97E+08	1.51E+09	8.16E+08	1000	4.9661E+05	1.51E+06	8.1625E+05	4.9661E+05	4.6314E-05	1.52E-05	2.8178E-05	23	4.6314E-05	Unlikely
Ioxaglic acid	5.71E+07	1.63E+09	1.41E+09	1000	5.7146E+04	1.63E+06	1.4132E+06	5.7146E+04	4.8997E-04	1.72E-05	1.9813E-05	28	4.8997E-04	Unlikely
Ioxithalamic acid	1.88E+09	2.68E+10	3.28E+10	1000	1.8800E+06	2.68E+07	3.2800E+07	1.8800E+06						
Irbesartan	7.20E+06	7.04E+06	8.64E+07	10	7.2000E+05	7.04E+05	8.6400E+06	7.0400E+05	1.2917E-05	1.32E-05	1.0764E-06	9.3	1.3210E-05	Unlikely
Josamycin	2.37E+06	1.17E+07	3.76E+06	1000	2.3740E+03	1.17E+04	3.7570E+03	2.3740E+03	6.3184E-01	1.28E-01	3.9925E-01	1500	6.3184E-01	Unlikely
Ketoprofen	1.0400E+06	1.5770E+05	2.3000E+06	100	1.0400E+04	1.58E+03	2.3000E+04	1.5770E+03	6.7308E-02	4.44E-01	3.0435E-02	700	4.4388E-01	Unlikely
Labetalol	3.16E+06	3.37E+07	4.21E+06	1000	3.1600E+03	3.37E+04	4.2130E+03	3.1600E+03						
Lamotrigine	1.50E+07	1.26E+08	4.83E+06	1000	1.5000E+04	1.26E+05	4.8300E+03	4.8300E+03	8.6667E-02	1.03E-02	2.6915E-01	1300	2.6915E-01	Unlikely
Lidocaine	7.71E+06	7.54E+07	8.64E+06	1000	7.7130E+03	7.54E+04	8.6430E+03	7713.00	4.5119E-02	4.61E-03	4.0264E-02	348	0.0451	Unlikely
Lincomycin	7.00E+04	1.00E+09	7.20E+06	100	7.0000E+02	1.00E+07	7.2000E+04	7.0000E+02	4.1429E-01	2.90E-05	4.0278E-03	290	4.1429E-01	Unlikely
Linezolid	6.26E+05	1.62E+08	1.39E+08	1000	6.2600E+02	1.62E+05	1.3876E+05	6.2600E+02	2.3962E-03	9.29E-06	1.0810E-05	1.5	2.3962E-03	Unlikely
Loratadine	6.20E+04	3.83E+04	1.00E+05	100	6.2000E+02	3.83E+02	1.0000E+03	3.8288E+02	9.4194E-02	1.53E-01	5.8400E-02	58.4	1.5253E-01	Unlikely
Lorazepam	5.82E+07	1.13E+08	6.69E+07	1000	5.8239E+04	1.13E+05	6.6906E+04	5.8239E+04	8.7021E-03	4.47E-03	7.5748E-03	506.8	8.7021E-03	Unlikely
Losartan	1.90E+06	2.15E+06	2.00E+06	1000	1.8970E+03	2.15E+03	2.0010E+03	1.8970E+03	7.5909E-02	6.69E-02	7.1964E-02	144	7.5909E-02	Unlikely
Meclofenamic acid	1.7000E+06	5.9700E+05	4.9100E+05	1000	1.7000E+03	5.97E+02	4.9100E+02	491.00	5.8824E-01	1.68E+00	2.0367E+00	1000	2.0367	Risky
mefenamic acid	2.5000E+06	3.4000E+06	1.0000E+07	100	2.5000E+04	3.40E+04	1.0000E+05	2.5000E+04	6.0000E-02	4.41E-02	1.5000E-02	1500	6.0000E-02	Unlikely
Meloxicam	1.84E+05	1.39E+06	3.93E+06	1000	1.8400E+02	1.39E+03	3.9300E+03	1.8400E+02	2.1739E-02	2.88E-03	1.0178E-03	4	2.1739E-02	Unlikely
Meprobamate	3.84E+08	1.47E+09	7.60E+08	1000	3.8380E+05	1.47E+06	7.5979E+05	3.8380E+05	2.6055E-04	6.80E-05	1.3162E-04	100	2.6055E-04	Unlikely
Metformin	3.2000E+08	9.8200E+08	6.4000E+07	1000	3.2000E+05	9.82E+05	6.4000E+04	6.4000E+04	2.7094E-02	8.83E-03	1.3547E-01	8670	1.3547E-01	Unlikely
Methotrexate	2.03E+08	1.24E+11	3.49E+07	1000	2.0280E+05	1.24E+08	3.4926E+04	34926.00	1.5286E-04	2.50E-07	8.8759E-04	31	0.0009	Unlikely
Metoprolol	7.3000E+06	1.0000E+03	3.2000E+06	100	7.3000E+04	1.00E+01	3.2000E+04	10.00	7.7534E-01	5.66E+03	1.7688E+00	56600	5660.0000	Risky
Metronidazole	1.25E+07	1.00E+09	1.00E+08	50	2.5000E+05	2.00E+07	2.0000E+06	2.5000E+05	8.4400E-04	1.06E-05	1.0550E-04	211	8.4400E-04	Unlikely
N-acetylcysteine	4.64E+07	4.07E+09	8.30E+07	1000	4.6411E+04	4.07E+06	8.2984E+04	4.6411E+04	1.2713E-03	1.45E-05	7.1098E-04	59	1.2713E-03	Unlikely
Nadolol	2.26E+07	2.09E+08	2.26E+07	1000	2.2600E+04	2.09E+05	2.2600E+04	2.2600E+04	8.4071E-05	9.09E-06	8.4071E-05	1.9	8.4071E-05	Unlikely
Naladixic acid	1.80E+09	4.42E+09	3.29E+09	1000	1.8000E+06	4.42E+06	3.2900E+06	1.8000E+06	9.2778E-03	3.78E-03	5.0760E-03	16700	9.2778E-03	Unlikely
Naproxen	4.0000E+07	5.2000E+07	8.2000E+07	1000	4.0000E+04	5.20E+04	8.2000E+04	4.0000E+04	9.7250E-02	7.48E-02	4.7439E-02	3890	9.7250E-02	Unlikely
Neomycin	3.0000E+04	3.0000E+04	3.0000E+04	10	3.0000E+03	3.00E+03	3.0000E+03	3.0000E+03	2.3333E-01	2.33E-01	2.3333E-01	700	2.3333E-01	Unlikely
Niflumic acid	6.95E+06	1.07E+07	1.47E+06	1000	6.9470E+03	1.07E+04	1.4710E+03	1.4710E+03	1.0364E-02	6.72E-03	4.8946E-02	72	4.8946E-02	Unlikely
Norfloxacin	1.6000E+03	1.4000E+04	1.2000E+05	10	1.6000E+02	1.40E+03	1.2000E+04	160.00	1.2938E+02	1.48E+01	1.7250E+00	20700	129.3750	Risky
Ofloxacin	5.0000E+04	1.6000E+07	3.1300E+06	100	5.0000E+02	1.60E+05	3.1300E+04	500.00	1.2212E+00	3.82E-03	1.9508E-02	610.6	1.2212	Risky
Olanzapine	2.37E+06	2.18E+07	3.27E+06	1000	2.3690E+03	2.18E+04	3.2670E+03	2.3690E+03	2.3385E-02	2.54E-03	1.6957E-02	55.4	2.3385E-02	Unlikely
Oxacillin	1.66E+07	4.66E+08	2.94E+08	1000	1.6599E+04	4.66E+05	2.9424E+05	1.6599E+04	1.5995E-02	5.69E-04	9.0232E-04	265.5	1.5995E-02	Unlikely
Oxazepam	1.70E+06	5.04E+07	4.78E+07	1000	1.6980E+03	5.04E+04	4.7787E+04	1.6980E+03	4.1225E-02	1.39E-03	1.4648E-03	70	4.1225E-02	Unlikely
Oxytetracycline	3.10E+03	1.00E+09	3.08E+06	10	3.1000E+02	1.00E+08	3.0800E+05	3.1000E+02						
Paromomycin	2.32E+13	8.54E+13	3.61E+12	1000	2.3200E+10	8.54E+10	3.6100E+09	3.6100E+09	5.6034E-08	1.52E-08	3.6011E-07	1300	3.6011E-07	Unlikely
Penicillin	6.51E+10	2.05E+13	1.32E+11	1000	6.5107E+07	2.05E+10	1.3200E+08	6.5107E+07	9.6764E-07	3.07E-09	4.7727E-07	63	9.6764E-07	Unlikely

Phenazone	1.31E+06	2.32E+06	3.47E+06	1000	1.3100E+03	2.32E+03	3.4700E+03	1.3100E+03	3.0534E-03	1.72E-03	1.1527E-03	4	3.0534E-03	Unlikely
Phenylbutazone	<u>2.62E+05</u>	<u>8.43E+05</u>	<u>2.62E+06</u>	1000	2.6200E+02	8.43E+02	2.6230E+03	2.6200E+02	6.0305E-01	1.87E-01	6.0236E-02	158	6.0305E-01	Unlikely
Pipemidic acid	<u>2.36E+10</u>	<u>1.58E+11</u>	<u>1.22E+10</u>	1000	2.3644E+07	1.58E+08	1.2227E+07	1.2227E+07	2.5080E-06	3.75E-07	4.8498E-06	59.3	4.8498E-06	Unlikely
Primidone	<u>1.27E+07</u>	<u>5.31E+08</u>	<u>1.05E+09</u>	1000	1.2692E+04	5.31E+05	1.0520E+06	1.2692E+04	2.6789E-01	6.40E-03	3.2318E-03	3400	2.6789E-01	Unlikely
Pravastatin	<u>8.55E+07</u>	<u>1.29E+08</u>	<u>2.39E+08</u>	1000	8.5494E+04	1.29E+05	2.3910E+05	8.5494E+04	8.8076E-04	5.82E-04	3.1493E-04	75.3	8.8076E-04	Unlikely
Propranolol	1.00E+05	1.00E+06	4.00E+03	10	1.0000E+04	1.00E+05	4.0000E+02	4.0000E+02	4.1900E-03	4.19E-04	1.0475E-01	41.90	1.0475E-01	Unlikely
Ranitidine	<u>9.53E+07</u>	2.46E+02	3.10E+05	50	1.9058E+06	4.92E+00	6.2000E+03	4.92	1.3538E-03	5.24E+02	4.1613E-01	2580	524.3902	Risky
Rifaximin	<u>1.92E+06</u>	<u>1.07E+06</u>	<u>8.07E+05</u>	1000	1.9160E+03	1.07E+03	8.0700E+02	8.0700E+02	2.8288E-01	5.05E-01	6.7162E-01	542	6.7162E-01	Unlikely
Roxithromycin	1.00E+04	1.00E+08	<u>6.72E+06</u>	100	1.0000E+02	1.00E+06	6.7170E+04	100.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Salicylic Acid	3.4530E+06	3.7000E+07	<u>1.0000E+07</u>	50	6.9060E+04	7.40E+05	2.0000E+05	6.9060E+04	1.0426E-01	9.73E-03	3.6000E-02	7200	1.0426E-01	Unlikely
Sarafloxacin	1.5000E+03	<u>3.02E+09</u>	1.1000E+06	100	1.5000E+01	3.02E+07	1.1000E+04	15.00	3.5333E+02	1.76E-04	4.8182E-01	5300	353.3333	Risky
Sertraline	1.21E+04	<u>4.08E+05</u>	<u>7.10E+04</u>	1000	1.2100E+01	4.08E+02	7.1000E+01	1.2100E+01	1.5702E-01	4.66E-03	2.6761E-02	1.9	1.5702E-01	Unlikely
Sildenafil	<u>2.91E+06</u>	<u>5.80E+06</u>	<u>7.17E+06</u>	1000	2.9100E+03	5.80E+03	7.1660E+03	2910.00	6.3701E+00	3.20E+00	2.5868E+00	18537	6.3701	Risky
Sisomycin	<u>6.02E+10</u>	<u>2.48E+08</u>	<u>2.08E+10</u>	1000	6.0183E+07	2.48E+05	2.0806E+07	2.4809E+05	6.6464E-06	1.61E-01	1.9226E-05	400	1.6123E-03	Unlikely
Sotalol	<u>2.64E+07</u>	<u>6.17E+08</u>	<u>6.08E+07</u>	1000	2.6386E+04	6.17E+05	6.0809E+04	2.6386E+04	1.6979E-03	7.27E-05	7.3673E-04	44.8	1.6979E-03	Unlikely
Spiramycin	5.00E+03	<u>5.61E+07</u>	<u>9.65E+07</u>	1000	5.0000E+00	5.61E+04	9.6469E+04	5.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Streptomycin	<u>5.00E+04</u>	<u>3.25E+12</u>	<u>5.60E+06</u>	50	1.0000E+03	6.50E+10	1.1200E+05	1000.00	3.4000E+00	5.23E-08	3.0357E-02	3400	3.4000	Risky
Sulfacetamide	<u>1.02E+07</u>	<u>1.99E+09</u>	<u>1.62E+06</u>	1000	1.0159E+04	1.99E+06	1.6220E+03	1.6220E+03	1.5750E-01	8.04E-04	9.8644E-01	1600	9.8644E-01	Unlikely
Sulfadiazine	1.35E+05	1.36E+09	<u>1.88E+06</u>	1000	1.3500E+02	1.36E+06	1.8800E+03	1.3500E+02	8.1481E-02	8.09E-06	5.8511E-03	11	8.1481E-02	Unlikely
Sulfamer	<u>3.55E+09</u>	<u>3.45E+10</u>	<u>1.13E+10</u>	1000	3.5537E+06	3.45E+07	1.1292E+07	3.5537E+06	1.8291E-05	1.88E-06	5.7564E-06	65	1.8291E-05	Unlikely
Sulfamerazine	1.19E+07	1.00E+08	2.77E+08	1000	1.1900E+04	1.00E+05	2.7700E+05	1.1900E+04	3.7815E-01	4.50E-02	1.6245E-02	4500	3.7815E-01	Unlikely
Sulfamethazine	1.00E+06	5.00E+08	5.00E+07	50	2.0000E+04	1.00E+07	1.0000E+06	2.0000E+04	9.0000E-02	1.80E-04	1.8000E-03	1800	9.0000E-02	Unlikely
Sulfamethoxazole	<u>6.0000E+03</u>	1.6000E+04	1.2000E+05	50	1.2000E+02	3.20E+02	2.4000E+03	120.00	1.1667E+01	4.38E+00	5.8333E-01	1400	11.6667	Risky
Sulfamethizole	2.49E+07	<u>4.92E+08</u>	<u>2.00E+06</u>	1000	2.4940E+04	4.92E+05	2.0010E+03	2001.00	1.1227E-01	5.69E-03	1.3993E+00	2800	1.3993	Risky
Sulfamethoxypyridazine	<u>3.82E+06</u>	<u>7.19E+08</u>	<u>2.09E+06</u>	1000	3.8200E+03	7.19E+05	2.0850E+03	2.0850E+03	1.3089E-03	6.95E-06	2.3981E-03	5	2.3981E-03	Unlikely
Sulfamoxole	<u>5.17E+06</u>	<u>1.08E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.08E+05	1.9520E+03	1.9520E+03	1.5468E-01	7.39E-03	4.0984E-01	800	4.0984E-01	Unlikely
Sulfaphenazole	<u>4.59E+06</u>	<u>1.77E+07</u>	<u>2.28E+06</u>	1000	4.5910E+03	1.77E+04	2.2760E+03	2.2760E+03	1.3069E-01	3.39E-02	2.6362E-01	600	2.6362E-01	Unlikely
Sulfapyridine	5.28E+06	<u>3.78E+08</u>	<u>1.84E+06</u>	1000	5.2800E+03	3.78E+05	1.8410E+03	1.8410E+03	7.5758E-02	1.06E-03	2.1727E-01	400	2.1727E-01	Unlikely
Sulfathiazole	1.3100E+07	5.0000E+08	2.2000E+06	100	1.3100E+05	5.00E+06	2.2000E+04	2.2000E+04	3.1298E-02	8.20E-04	1.8636E-01	4100	1.8636E-01	Unlikely
Sulfisoxazole	<u>1.90E+07</u>	<u>1.80E+08</u>	<u>1.95E+06</u>	1000	1.8980E+04	1.80E+05	1.9510E+03	1.9510E+03	3.6881E-02	3.88E-03	3.5879E-01	700	3.5879E-01	Unlikely
Tamsulosin	<u>1.97E+06</u>	<u>3.87E+07</u>	<u>4.87E+06</u>	1000	1.9670E+03	3.87E+04	4.8710E+03	1.9670E+03	1.9827E-03	1.01E-04	8.0066E-04	3.9	1.9827E-03	Unlikely
Tenoxicam	<u>3.25E+05</u>	<u>5.39E+06</u>	<u>8.20E+05</u>	1000	3.2500E+02	5.39E+03	8.2000E+02	3.2500E+02	1.2308E-02	7.42E-04	4.8780E-03	4	1.2308E-02	Unlikely
Terbutalin	<u>1.33E+07</u>	<u>3.07E+07</u>	<u>2.05E+06</u>	1000	1.3320E+04	3.07E+04	2.0500E+03	2.0500E+03						
Tetracycline	5.00E+04	5.00E+02	1.00E+04	10	5.0000E+03	5.00E+01	1.0000E+03	50.00	7.8000E-01	7.80E+01	3.9000E+00	3900	78.0000	Risky
Theophylline	<u>1.40E+04</u>	<u>2.34E+08</u>	<u>1.78E+07</u>	1000	1.4000E+01	2.34E+05	1.7796E+04	14.00	4.1429E+00	2.48E-04	3.2592E-03	58	4.1429	Risky
Thiabendazole	<u>9.79E+05</u>	<u>1.09E+07</u>	<u>1.32E+07</u>	1000	9.7900E+02	1.09E+04	1.3200E+04	9.7900E+02	1.1747E-02	1.06E-03	8.7121E-04	11.5	1.1747E-02	Unlikely
Thiamphenicol	<u>1.98E+08</u>	<u>2.11E+08</u>	<u>2.86E+08</u>	100	1.9800E+06	2.11E+06	2.8610E+06	1.9800E+06	5.3535E-05	5.02E-05	3.7050E-05	106	5.3535E-05	Unlikely
Timolol	<u>8.97E+06</u>	<u>8.87E+07</u>	<u>1.03E+07</u>	1000	8.9720E+03	8.87E+04	1.0267E+04	8.9720E+03	3.3437E-05	3.38E-06	2.9220E-05	0.3	3.3437E-05	Unlikely
Tramadol	1.82E+07	2.67E+07	1.66E+07	1000	1.8235E+04	2.67E+04	1.6634E+04	1.6634E+04	1.9386E-02	1.32E-02	2.1252E-02	353.5	2.1252E-02	Unlikely
Trazodone	<u>9.78E+05</u>	<u>1.14E+07</u>	<u>1.57E+06</u>	1000	9.7800E+02	1.14E+04	1.5700E+03	9.7800E+02	2.0450E-03	1.75E-04	1.2739E-03	2	2.0450E-03	Unlikely
Trimethoprim	1.6000E+07	1.5700E+05	3.1200E+06	10	1.6000E+06	1.57E+04	3.1200E+05	1.5700E+04	2.1875E-03	2.23E-01	1.1218E-02	3500	2.2293E-01	Unlikely
Valsartan	<u>3.87E+06</u>	<u>4.43E+07</u>	<u>8.61E+07</u>	1000	3.8650E+03	4.43E+04	8.6094E+04	3.8650E+03	1.4704E-01	1.28E-02	6.6009E-03	568.3	1.4704E-01	Unlikely
Venlafaxine	<u>2.66E+08</u>	<u>3.0500E+02</u>	<u>1.4128E+08</u>	50	5.3127E+06	6.10E+00	2.8256E+06	6.10	3.1246E-04	2.72E+02	5.8749E-04	1660	272.1311	Risky
Xylazine	<u>1.38E+06</u>	<u>9.97E+05</u>	<u>7.14E+05</u>	1000	1.3800E+03	9.97E+02	7.1400E+02	7.1400E+02	3.1159E-03	4.31E-03	6.0224E-03	4.3	6.0224E-03	Unlikely

*AF

Condition

- 1000 if at least one short term E/LC50 was applied for algae, fish and
100 if when one long-term assay was applied for either one of the
50 if two long-term assays were available for two different trophic
10 if three long-term assays were available for the three different

Italic: NOEC or LOEC; Bold: Zhou et al.; Colored: EMEA, 1999; Underline: ECOSAR;
Unmarked: E(L)C50 from ECOTOX

Not in SW

Compound	EC50/LC50/NOEC/LOEC (smallest value)			AF*	PNEC (ng/L)			Smallest PNEC	Surface Water RQ			SW Minimum MEC	Surface Water RQ based on smallest PNEC	Result
	Algae	Fish	Daphnid		Algae	Fish	Daphnid		Algae	Fish	Daphnid			
	(ng/L)	(ng/L)	(ng/L)		(ng/L)	(ng/L)	(ng/L)		(ng/L)	(ng/L)	(ng/L)			
17β estradiol	8.000E+03	1.600E+01	6.000E+03	10	8.000E+02	1.60E+00	6.000E+02	1.60	1.7500E-03	8.75E-01	2.3333E-03	1.4	0.8750	unlikely
Acebutolol	<u>9.42E+07</u>	<u>1.32E+08</u>	<u>6.15E+07</u>	1000	9.4160E+04	1.32E+05	6.1477E+04	6.1477E+04						
Acetaminophen	5.000E+03	5.000E+08	3.200E+05	10	5.000E+02	5.00E+07	3.200E+04	500.00	6.000E-05	6.00E-10	9.3750E-07	0.03	0.0001	Unlikely
Acetylsalicylic acid (Aspirin)	<u>8.67E+08</u>	1.00E+05	6.10E+04	50	1.7334E+07	2.00E+03	1.2200E+03	1.2200E+03	1.6153E-06	1.40E-02	2.2951E-02	28	2.2951E-02	Unlikely
Albendazole	4.60E+06	<i>2.20E+04</i>	1.00E+08	100	4.6000E+04	2.20E+02	1.0000E+06	2.2000E+02	7.6522E-04	1.60E-01	3.5200E-05	35.2	1.6000E-01	Unlikely
Albuterol	<u>1.45E+08</u>	<u>2.78E+08</u>	<u>1.13E+08</u>	1000	1.4459E+05	2.78E+05	1.1343E+05	1.1343E+05	1.3832E-06	7.20E-07	1.7632E-06	0.2	1.7632E-06	Unlikely
Alprazolam	<u>5.45E+06</u>	<u>5.31E+06</u>	<u>3.58E+06</u>	1000	5.4470E+03	5.31E+03	3.5810E+03	3.5810E+03	5.2506E-02	5.39E-02	7.9866E-02	286	7.9866E-02	Unlikely
Amikacin (Kanamycin B)	<u>1.70E+03</u>	<u>1.30E+07</u>	<u>1.70E+06</u>	10	1.7000E+02	1.30E+06	1.7000E+05	170.00	5.8824E-01	7.69E-05	5.8824E-04	100	0.5882	Unlikely
Amitriptyline	7.77E+05	<u>6.16E+05</u>	1.15E+06	1000	7.7700E+02	6.16E+02	1.1512E+03	6.1600E+02	1.2870E-02	1.62E-02	6.865E-03	10	1.6234E-02	Unlikely
Amlodipine	<u>8.77E+05</u>	<u>5.12E+05</u>	<u>3.82E+05</u>	1000	8.7700E+02	5.12E+02	3.8200E+02	3.8200E+02	1.1403E-03	1.95E-03	2.6178E-03	1	2.6178E-03	Unlikely
Amoxicillin	<i>7.800E+02</i>	1.000E+06	2.7130E+08	50	1.5600E+01	2.00E+04	5.4260E+06	15.60	5.1282E-02	4.00E-05	1.4744E-07	0.8	0.0513	Unlikely
Ampicillin	<i>1.00E+09</i>	2.25E+09	1.42E+08	100	1.0000E+07	2.25E+07	1.4211E+06	1.4211E+06	1.6670E-06	7.40E-07	1.1731E-05	16.67	1.1731E-05	Unlikely
Atenolol	1.000E+07	<i>1.000E+06</i>	3.8000E+04	50	2.0000E+05	2.00E+04	7.6000E+02	760.00	2.5000E-06	2.50E-05	6.5789E-04	0.5	0.0007	Unlikely
Atorvastatin	<i>8.5000E+04</i>	1.300E+01	1.000E+03	10	8.5000E+03	1.30E+00	1.0000E+02	1.30	2.7647E-03	1.81E+01	2.3500E-01	23.5	18.0769	Risky
Azithromycin	<u>1.85E+06</u>	<u>2.19E+07</u>	<u>3.02E+06</u>	1000	1.8470E+03	2.19E+04	3.0230E+03	1.8470E+03	1.0828E-04	9.11E-06	6.6159E-05	0.2	1.0828E-04	Unlikely
Bezafibrate	<u>1.3520E+06</u>	2.6600E+05	<i>2.300E+04</i>	1000	1.3520E+03	2.66E+02	2.3000E+01	23.00	1.3314E-03	6.77E-03	7.8261E-02	1.8	0.0783	Unlikely
Bisoprolol	<u>8.01E+06</u>	<u>7.99E+07</u>	<u>9.35E+06</u>	1000	8.0090E+03	7.99E+04	9.3510E+03	8.0090E+03	1.2486E-04	1.25E-05	1.0694E-04	1	1.2486E-04	Unlikely
Carazolol	<u>1.93E+06</u>	<u>2.11E+07</u>	<u>2.72E+06</u>	1000	1.9290E+03	2.11E+04	2.7210E+03	1.9290E+03	1.0368E-04	9.46E-06	7.3502E-05	0.2	1.0368E-04	Unlikely
Carbadox	<u>7.84E+06</u>	<u>4.09E+07</u>	<u>4.20E+08</u>	1000	7.8400E+03	4.09E+04	4.2031E+05	7.8400E+03	1.5306E-03	2.94E-04	2.8551E-05	12	1.5306E-03	Unlikely
Carbamazepine	1.7000E+04	1.000E+05	1.000E+02	50	3.4000E+02	2.00E+03	2.0000E+00	2.00	8.8235E-04	1.50E-04	1.5000E-01	0.3	0.1500	Unlikely
Cefixime	<u>1.45E+08</u>	<u>1.32E+10</u>	<u>3.38E+07</u>	1000	1.3241E+07	1.32E+07	3.3791E+04	3.3791E+04	1.0347E-05	1.03E-05	4.0543E-03	137	4.0543E-03	Unlikely
Cephalexin	<u>3.20E+08</u>	<u>7.46E+09</u>	<u>7.38E+08</u>	1000	7.4558E+06	7.46E+06	7.3829E+05	7.3829E+05	1.8777E-07	1.88E-07	1.8963E-06	1.4	1.8963E-06	Unlikely
Ceftriaxone	<u>3.31E+03</u>		<u>9.20E+07</u>	10	<u>3.3100E+02</u>		<u>9.2000E+06</u>	<u>3.3100E+02</u>	<u>3.0211E-04</u>		<u>3.0211E-04</u>	<u>0.1</u>	<u>3.0211E-04</u>	Unlikely Copy of On-Going Supplementary Table 2023-clean ANH.xlsx
Cetirizine	<u>5.13E+09</u>	<u>3.87E+10</u>	<u>3.41E+09</u>	1000	5.1276E+06	3.87E+07	3.4093E+06	3.4093E+06	6.6113E-07	8.75E-08	9.9435E-07	3.39	9.9435E-07	Unlikely
Chloramphenicol	2.50E+06	<u>3.88E+07</u>	2.00E+06	50	5.0000E+04	7.76E+05	4.0000E+04	4.0000E+04	2.0000E-06	1.29E-07	2.5000E-06	0.1	2.5000E-06	Unlikely
Cimetidine	<u>7.8700E+05</u>	<i>1.000E+08</i>	2.7130E+08	100	7.8700E+03	1.00E+06	2.7130E+06	7.8700E+03	2.5413E-05	2.00E-07	7.3719E-08	0.2	2.5413E-05	Unlikely
Ciprofloxacin	5.0000E+03	1.0000E+07	<i>6.000E+07</i>	100	5.0000E+01	1.00E+05	6.0000E+05	50.00	8.0000E-03	4.00E-06	6.6667E-07	0.4	0.0080	Unlikely
Citalopram	1.60E+06	<i>1.00E+03</i>	<i>8.00E+05</i>	50	3.2000E+04	2.00E+01	1.6000E+04	2.0000E+01	3.1250E-05	5.00E-02	6.2500E-05	1	5.0000E-02	Unlikely
Clarithromycin	2.00E+03	<i>1.00E+09</i>	8.16E+06	100	2.0000E+01	1.00E+07	8.1600E+04	20.00	1.0000E-02	2.00E-08	2.4510E-06	0.2	0.0100	Unlikely
Clavulanic acid	<u>6.07E+09</u>	<u>1.55E+08</u>	<u>1.55E+07</u>	1000	6.0674E+06	1.55E+05	1.5475E+04	15475.00	1.6482E-08	6.45E-07	6.4620E-06	0.1	0.00001	Unlikely
Clofibrate (clofibric acid)	7.500E+07	<i>1.000E+05</i>	6.400E+07	10	7.5000E+06	1.00E+04	6.4000E+06	1.0000E+04	2.0000E-07	1.50E-04	2.3438E-07	1.5	1.5000E-04	Unlikely
Clopidogrel	<u>3.15E+05</u>	<u>3.93E+06</u>	<u>5.79E+05</u>	1000	3.1500E+02	3.93E+03	5.7900E+02	3.1500E+02	6.3492E-04	5.09E-05	3.4542E-04	0.2	6.3492E-04	Unlikely
Clotrimazole	<u>4.00E+04</u>	<u>3.60E+04</u>	<u>1.05E+05</u>	1000	4.0000E+01	3.60E+01	1.0500E+02	3.6000E+01	4.5000E-01	5.00E-01	1.7143E-01	18	5.0000E-01	Unlikely
Codeine	<u>3.29E+08</u>	<u>1.10E+09</u>	<u>5.83E+08</u>	1000	3.2950E+05	1.10E+06	5.8303E+05	3.2950E+05	5.7664E-06	1.73E-06	3.2588E-06	1.9	5.7664E-06	Unlikely
cyclophosphamid	<u>1.25E+07</u>		<u>1.25E+07</u>	1000	<u>1.2500E+04</u>		<u>1.2500E+04</u>	<u>1.2500E+04</u>	<u>1.6000E-04</u>		<u>1.6000E-04</u>	<u>2</u>	<u>1.6000E-04</u>	Unlikely (Russo et al., 2018)
Danofloxacin												<u>59</u>		
Dapsone	<u>5.54E+06</u>	<u>2.53E+08</u>	<u>1.82E+06</u>	1000	5.5350E+03	2.53E+05	1.8240E+03	1824.00	5.0587E-01	1.11E-02	1.5351E+00	2800	1.5351	Risky
Diatrizoic acid	<u>5.86E+08</u>	<u>1.87E+09</u>	<u>1.00E+09</u>	1000	5.8642E+05	1.87E+06	1.0030E+06	5.8642E+05	3.4105E-05	1.07E-05	1.9940E-05	20	3.4105E-05	Unlikely
Diazepam	<u>9.7800E+05</u>	<i>2.3500E+05</i>	4.3000E+06	100	9.7800E+03	2.35E+03	4.3000E+04	2.3500E+03	9.2025E-04	3.83E-03	2.0930E-04	9	3.8298E-03	Unlikely
Diclofenac	5.000E+03	5.000E+02	1.000E+01	10	5.0000E+02	5.00E+01	1.0000E+00	1.00	3.2000E-03	3.20E-02	1.6000E+00	1.6	1.6000	Risky
Dilantin (Phenytoin)	<u>9.22E+05</u>	<u>5.29E+05</u>	<u>3.96E+05</u>	1000	9.2200E+02	5.29E+02	3.9600E+02	3.9600E+02	1.9523E-01	3.40E-01	4.5455E-01	180	4.5455E-01	Unlikely
Diltiazem	<u>2.15E+06</u>	5.00E+05	8.20E+06	100	2.1510E+04	5.00E+03	8.2000E+04	5.0000E+03	9.1585E-05	3.94E-04	2.4024E-05	1.97	3.9400E-04	Unlikely
Dimetridazole	<u>3.50E+05</u>	<u>2.56E+07</u>	<u>4.27E+06</u>	1000	3.5000E+02	2.56E+04	4.2720E+03	3.5000E+02	5.2400E-01	7.16E-03	4.2931E-02	183.4	5.2400E-01	Unlikely
Diphenhydramine	<u>7.98E+05</u>	<u>9.20E+06</u>	<u>1.25E+06</u>	1000	7.9800E+02	9.20E+03	1.2470E+03	798.00	6.2657E-02	5.43E-03	4.0096E-02	50	0.0627	Unlikely
Doxycycline	<u>2.00E+09</u>	<u>1.39E+10</u>	<u>1.17E+08</u>	1000	1.9990E+06	1.39E+07	1.1735E+05	1.1735E+05	1.4507E-05	2.09E-06	2.4713E-04	29	2.4713E-04	Unlikely
Erofloxacin	4.90E+04	5.00E+06	1.00E+07	50	9.8000E+02	1.00E+05	2.0000E+05	9.8000E+02	3.8673E-01	3.79E-03	1.8950E-03	379	3.8673E-01	Unlikely
Erythromycin	2.000E+03	1.000E+08	2.2000E+05	50	4.0000E+01	2.00E+06	4.4000E+03	40.00	1.9500E-01	3.90E-06	1.7727E-03	7.8	0.1950	Unlikely
Estriol	<u>2.23E+07</u>	<i>4.6500E+01</i>	<u>5.24E+06</u>	100	2.2252E+05	4.65E-01	5.2350E+04	0.47	4.0446E-06	1.94E+00	1.7192E-05	0.9	1.9355	Risky
Estrone	8.7400E+06	1.980E+05	1.000E+03	50	1.7480E+05	3.96E+03	2.0000E+01	20.00	5.7208E-06	2.53E-04	5.0000E-02	1	0.0500	Unlikely
Ethinylestradiol	8.400E+05	2.000E+00	1.000E+00	50	1.6800E+04	4.00E-02	2.0000E-02	0.02	1.1905E-05	5.00E+00	1.0000E+01	0.2	10.0000	Risky
Etoricoxib	1.00E+07	<i>7.93E+06</i>	<i>7.50E+05</i>	50	2.0000E+05	1.59E+05	1.5000E+04	1.5000E+04	1.8835E-03	2.38E-03	2.5113E-02	376.7	2.5113E-02	Unlikely
Famotidine	<u>4.78E+08</u>	1.00E+08	1.00E+08	1000	4.7814E+05	1.00E+05	1.0000E+05	1.0000E+05	1.7359E-05	8.30E-05	8.3000E-05	8.3	8.3000E-05	Unlikely
Fenofibrate (Fenobibric acid)	<u>1.0850E+07</u>	7.000E+05	<u>4.9000E+06</u>	100	1.0850E+05	7.00E+03	4.9000E+04	7.0000E+03	9.2166E-05	1.43E-03	2.0408E-04	10	1.4286E-03	Unlikely
Fexofenadine	<u>2.5280E+07</u>	<u>2.8191E+08</u>	<u>3.6935E+07</u>	1000	2.5280E+04	2.82E+05	3.6935E+04	25280.00	2.9272E-03	2.62E-04	2.0035E-03	74	0.002927215	Unlikely

Florfenicol	2.30E+06	3.50E+07	8.89E+08	100	2.3000E+04	3.50E+05	8.8900E+06	2.3000E+04	3.9565E-04	2.60E-05	1.0236E-06	9.1	3.9565E-04	Unlikely
Flumequine	1.59E+05	<u>7.84E+08</u>	7.50E+05	100	1.5900E+03	7.84E+06	7.5000E+03	1590.00	1.2579E-01	2.55E-05	2.6667E-02	200	0.1258	Unlikely
Flunixin	1.02E+07	6.08E+06	4.51E+06	1000	1.0200E+04	6.08E+03	4.5100E+03	4.5100E+03	2.9412E-06	4.93E-06	6.6519E-06	0.03	6.6519E-06	Unlikely
Fluoxetine	<u>7.20E+04</u>	<u>3.00E+01</u>	<u>1.00E+04</u>	10	7.2000E+03	3.00E+00	1.0000E+03	3.00	1.3889E-04	3.33E-01	1.0000E-03	1	0.3333	Unlikely
Furosemide	<u>1.9797E+07</u>	<u>5.88E+08</u>	1.5600E+05	100	1.9797E+05	5.88E+06	1.5600E+03	1.5600E+03	4.1875E-04	1.41E-05	5.3141E-02	82.9	5.3141E-02	Unlikely
Gabapentin	<u>7.77E+09</u>	8561.85	1.1000E+09	1000	7.7710E+06	8.56E+00	1.1000E+06	8.56	1.0295E-06	9.34E-01	7.2727E-06	8	0.9344	Unlikely
Gemfibrozil	3.1250E+06	<u>1.5000E+03</u>	<u>7.8000E+04</u>	10	3.1250E+05	1.50E+02	7.8000E+03	150.00	3.2000E-06	6.67E-03	1.2821E-04	1	0.0067	Unlikely
Gentamicin	<u>4.34E+09</u>	<u>2.84E+10</u>	<u>2.16E+09</u>	1000	4.3439E+06	2.84E+07	2.1572E+06	2.1572E+06	4.6042E-05	7.04E-06	9.2713E-05	200	9.2713E-05	Unlikely
Glibenclamide	<u>3.08E+05</u>	<u>3.08E+05</u>	<u>5.85E+05</u>	1000	3.0800E+02	3.08E+02	5.8500E+02	3.0800E+02	6.4935E-03	6.49E-03	3.4188E-03	2	6.4935E-03	Unlikely
Glimepiride												2000		
Hydrochlorothiazide	<u>5.62E+07</u>	<u>2.81E+09</u>	<u>8.13E+09</u>	1000	5.6184E+04	2.81E+06	8.1250E+06	5.6184E+04	1.6019E-05	3.20E-07	1.1077E-07	0.9	1.6019E-05	Unlikely
Hydrocortisone	<u>2.33E+08</u>	<u>6.60E+08</u>	<u>3.62E+08</u>	1000	2.3263E+05	6.60E+05	3.6175E+05	2.3263E+05	1.5475E-04	5.45E-05	9.9518E-05	36	1.5475E-04	Unlikely
Ibuprofen	2.0000E+06	1.0000E+02	1.0000E+06	10	2.0000E+05	1.00E+01	1.0000E+05	10.00	1.8650E-05	3.73E-01	3.7300E-05	3.73	0.3730	Unlikely
Indomethacin	2.9000E+06	4.4000E+07	2.7000E+07	100	2.9000E+04	4.40E+05	2.7000E+05	2.9000E+04	4.3793E-04	2.89E-05	4.7037E-05	12.7	4.3793E-04	Unlikely
iohexol	<u>6.05E+11</u>	<u>1.4E+13</u>	<u>5.09E+12</u>	1000	6.0500E+08	1.40E+10	5.0900E+09	6.0500E+08	1.9835E-08	8.57E-10	2.3576E-09	12	1.9835E-08	Unlikely
iohexol	<u>3.20E+09</u>	<u>8.93E+10</u>	<u>1.44E+11</u>	1000	3.2000E+06	8.93E+07	1.4400E+08	3.2000E+06	3.1250E-05	1.12E-06	6.9444E-07	100	3.1250E-05	Unlikely
iopamidol	<u>5.86E+10</u>	<u>6.87E+11</u>	<u>2.86E+11</u>	1000	5.8628E+07	6.87E+08	2.8600E+08	5.8628E+07	1.7057E-06	1.46E-07	3.4965E-07	100	1.7057E-06	Unlikely
Iopromide	4.5810E+09	9.6200E+08	1.0000E+09	1000	4.5810E+06	9.62E+05	1.0000E+06	9.6200E+05	1.3098E-06	6.24E-06	6.0000E-06	6	6.2370E-06	Unlikely
Iotalamic acid	4.97E+08	1.51E+09	8.16E+08	1000	4.9661E+05	1.51E+06	8.1625E+05	4.9661E+05	4.6314E-05	1.52E-05	2.8178E-05	23	4.6314E-05	Unlikely
Ioxaglic acid	<u>5.71E+07</u>	<u>1.63E+09</u>	<u>1.41E+09</u>	1000	5.7146E+04	1.63E+06	1.4132E+06	5.7146E+04	4.8997E-04	1.72E-05	1.9813E-05	28	4.8997E-04	Unlikely
Ioxithalamic acid	<u>1.88E+09</u>	<u>2.68E+10</u>	<u>3.28E+10</u>	1000	1.8800E+06	2.68E+07	3.2800E+07	1.8800E+06						
Irbesartan	7.20E+06	<u>7.04E+06</u>	<u>8.64E+07</u>	10	7.2000E+05	7.04E+05	8.6400E+06	7.0400E+05	4.1667E-07	4.26E-07	3.4722E-08	0.3	4.2614E-07	Unlikely
Josamycin	<u>2.37E+06</u>	<u>1.17E+07</u>	<u>3.76E+06</u>	1000	2.3740E+03	1.17E+04	3.7570E+03	2.3740E+03	1.2637E-01	2.56E-02	7.9851E-02	300	1.2637E-01	Unlikely
Ketoprofen	<u>1.0400E+06</u>	1.5770E+05	2.3000E+06	100	1.0400E+04	1.58E+03	2.3000E+04	1.5770E+03	5.5769E-04	3.68E-03	2.5217E-04	5.8	3.6779E-03	Unlikely
Labetalol	<u>3.16E+06</u>	<u>3.37E+07</u>	<u>4.21E+06</u>	1000	3.1600E+03	3.37E+04	4.2130E+03	3.1600E+03						
Lamotrigine	<u>1.50E+07</u>	<u>1.26E+08</u>	<u>4.83E+06</u>	1000	1.5000E+04	1.26E+05	4.8300E+03	4.8300E+03	2.0000E-02	2.38E-03	6.2112E-02	300	6.2112E-02	Unlikely
Levamisol	<u>9.43E+05</u>	<u>1.06E+07</u>	<u>1.39E+06</u>	1000	9.4300E+02	1.06E+04	1.3900E+03	9.4300E+02	2.1209E-04	1.89E-05	1.4388E-04	0.2	2.1209E-04	Unlikely
Lidocaine	<u>7.71E+06</u>	<u>7.54E+07</u>	<u>8.64E+06</u>	1000	7.7130E+03	7.54E+04	8.6430E+03	7713.00	3.7858E-04	3.87E-05	3.3785E-04	2.92	0.0004	Unlikely
Lincomycin	7.00E+04	1.00E+09	7.20E+06	100	7.0000E+02	1.00E+07	7.2000E+04	7.0000E+02	1.0614E-01	7.43E-06	1.0319E-03	74.3	1.0614E-01	Unlikely
Linezolid	<u>6.26E+05</u>	<u>1.62E+08</u>	<u>1.39E+08</u>	1000	6.2600E+02	1.62E+05	1.3876E+05	6.2600E+02	4.7923E-04	1.86E-06	2.1620E-06	0.3	4.7923E-04	Unlikely
Loratadine	<u>6.20E+04</u>	3.83E+04	<u>1.00E+05</u>	100	6.2000E+02	3.83E+02	1.0000E+03	3.8288E+02	3.2258E-03	5.22E-03	2.0000E-03	2	5.2236E-03	Unlikely
Lorazepam	<u>5.82E+07</u>	<u>1.13E+08</u>	<u>6.69E+07</u>	1000	5.8239E+04	1.13E+05	6.6906E+04	5.8239E+04	7.1292E-03	3.66E-03	6.2057E-03	415.2	7.1292E-03	Unlikely
Losartan	<u>1.90E+06</u>	<u>2.15E+06</u>	<u>2.00E+06</u>	1000	1.8970E+03	2.15E+03	2.0010E+03	1.8970E+03	4.7443E-04	4.18E-04	4.4978E-04	0.9	4.7443E-04	Unlikely
Meclofenamic acid	<u>1.7000E+06</u>	<u>5.9700E+05</u>	<u>4.9100E+05</u>	1000	1.7000E+03	5.97E+02	4.9100E+02	491.00	3.0000E-01	8.54E-01	1.0387E+00	510	1.0387	Risky
mefenamic acid	2.5000E+06	3.4000E+06	1.0000E+07	100	2.5000E+04	3.40E+04	1.0000E+05	2.5000E+04	2.4000E-05	1.76E-05	6.0000E-06	0.6	2.4000E-05	Unlikely
Meloxicam	<u>1.84E+05</u>	<u>1.39E+06</u>	<u>3.93E+06</u>	1000	1.8400E+02	1.39E+03	3.9300E+03	1.8400E+02	1.0870E-03	1.44E-04	5.0891E-05	0.2	1.0870E-03	Unlikely
Meprobamate	<u>3.84E+08</u>	<u>1.47E+09</u>	<u>7.60E+08</u>	1000	3.8380E+05	1.47E+06	7.5979E+05	3.8380E+05	2.6055E-04	6.80E-05	1.3162E-04	100	2.6055E-04	Unlikely
Metformin	3.2000E+08	9.8200E+08	6.4000E+07	1000	3.2000E+05	9.82E+05	6.4000E+04	6.4000E+04	1.5625E-06	5.09E-07	7.8125E-06	0.5	7.8125E-06	Unlikely
Methotrexate	<u>2.03E+08</u>	<u>1.24E+11</u>	<u>3.49E+07</u>	1000	2.0280E+05	1.24E+08	3.4926E+04	34926.00	1.5286E-04	2.50E-07	8.8759E-04	31	0.0009	Unlikely
Metoprolol	7.3000E+06	<u>1.0000E+03</u>	3.2000E+06	100	7.3000E+04	1.00E+01	3.2000E+04	10.00	1.3699E-06	1.00E-02	3.1250E-06	0.1	0.0100	Unlikely
Metronidazole	1.25E+07	1.00E+09	1.00E+08	50	2.5000E+05	2.00E+07	2.0000E+06	2.5000E+05	4.0000E-07	5.00E-09	5.0000E-08	0.1	4.0000E-07	Unlikely
N-acetylcysteine	<u>4.64E+07</u>	<u>4.07E+09</u>	<u>8.30E+07</u>	1000	4.6411E+04	4.07E+06	8.2984E+04	4.6411E+04	1.2713E-03	1.45E-05	7.1098E-04	59	1.2713E-03	Unlikely
Nadolol	<u>2.26E+07</u>	<u>2.09E+08</u>	<u>2.26E+07</u>	1000	2.2600E+04	2.09E+05	2.2600E+04	2.2600E+04	3.5398E-05	3.83E-06	3.5398E-05	0.8	3.5398E-05	Unlikely
Naladixic acid	<u>1.80E+09</u>	<u>4.42E+09</u>	<u>3.29E+09</u>	1000	1.8000E+06	4.42E+06	3.2900E+06	1.8000E+06	1.6667E-04	6.79E-05	9.1185E-05	300	1.6667E-04	Unlikely
Naproxen	4.0000E+07	5.2000E+07	8.2000E+07	1000	4.0000E+04	5.20E+04	8.2000E+04	4.0000E+04	3.9950E-04	3.07E-04	1.9488E-04	15.98	3.9950E-04	Unlikely
Neomycin	<u>3.0000E+04</u>	<u>3.0000E+04</u>	<u>3.0000E+04</u>	10	3.0000E+03	3.00E+03	3.0000E+03	3.0000E+03	3.3333E-02	3.33E-02	3.3333E-02	100	3.3333E-02	Unlikely
Niflumic acid	<u>6.95E+06</u>	<u>1.07E+07</u>	<u>1.47E+06</u>	1000	6.9470E+03	1.07E+04	1.4710E+03	1.4710E+03	1.0364E-02	6.72E-03	4.8946E-02	72	4.8946E-02	Unlikely
Norfloracin	1.6000E+03	1.4000E+04	1.2000E+05	10	1.6000E+02	1.40E+03	1.2000E+04	160.00	1.2100E-01	1.38E-02	1.6133E-03	19.36	0.1210	Unlikely
Ofloxacin	5.0000E+04	<u>1.6000E+07</u>	3.1300E+06	100	5.0000E+02	1.60E+05	3.1300E+04	500.00	1.6000E-03	5.00E-06	2.5559E-05	0.8	0.0016	Unlikely
Olanzapine	<u>2.37E+06</u>	<u>2.18E+07</u>	<u>3.27E+06</u>	1000	2.3690E+03	2.18E+04	3.2670E+03	2.3690E+03	4.0101E-03	4.36E-04	2.9079E-03	9.5	4.0101E-03	Unlikely
Oxacillin	<u>1.66E+07</u>	<u>4.66E+08</u>	<u>2.94E+08</u>	1000	1.6599E+04	4.66E+05	2.9424E+05	1.6599E+04	5.4220E-05	1.93E-06	3.0587E-06	0.9	5.4220E-05	Unlikely
Oxazepam	<u>1.70E+06</u>	<u>5.04E+07</u>	<u>4.78E+07</u>	1000	1.6980E+03	5.04E+04	4.7787E+04	1.6980E+03	2.2379E-02	7.55E-04	7.9520E-04	38	2.2379E-02	Unlikely
Oxytetracycline	3.10E+03	1.00E+09	3.08E+06	10	3.1000E+02	1.00E+08	3.0800E+05	3.1000E+02						
Paromomycin	<u>2.32E+13</u>	<u>8.54E+13</u>	<u>3.61E+12</u>	1000	2.3200E+10	8.54E+10	3.6100E+09	3.6100E+09	3.8793E-08	1.05E-08	2.4931E-07	900	2.4931E-07	Unlikely
Penicillin	<u>6.51E+10</u>	<u>2.05E+13</u>	<u>1.32E+11</u>	1000	6.5107E+07	2.05E+10	1.3200E+08	6.5107E+07	1.0752E-08	3.41E-11	5.3030E-09	0.7	1.0752E-08	Unlikely
Phenazone	1.31E+06	2.32E+06	3.47E+06	1000	1.3100E+03	2.32E+03	3.4700E+03	1.3100E+03	1.4504E-03	8.19E-04	5.4755E-04	1.9	1.4504E-03	Unlikely
Phenylbutazone	<u>2.62E+05</u>	<u>8.43E+05</u>	<u>2.62E+06</u>	1000	2.6200E+02	8.43E+02	2.6230E+03	2.6200E+02	7.6336E-03	2.37E-03	7.6249E-04	2	7.6336E-03	Unlikely
Pipemidic acid	<u>2.36E+10</u>	<u>1.58E+11</u>	<u>1.22E+10</u>	1000	2.3644E+07	1.58E+08	1.2227E+07	1.2227E+07	1.6918E-08	2.53E-09	3.2714E-08	0.4	3.2714E-08	Unlikely
Primidone	<u>1.27E+07</u>	<u>5.31E+08</u>	<u>1.05E+09</u>	1000	1.2692E+04	5.31E+05	1.0520E+06	1.2692E+04	4.7274E-04	1.13E-05	5.7032E-06	6	4.7274E-04	Unlikely
Pravastatin	<u>8.55E+07</u>	<u>1.29E+08</u>	<u>2.39E+08</u>	1000	8.5494E+04	1.29E+05	2.3910E+05	8.5494E+04	8.8076E-04	5.82E-04	3.1493E-04	75.3	8.8076E-04	Unlikely

Propranolol	1.00E+05	1.00E+06	4.00E+03	10	1.0000E+04	1.00E+05	4.0000E+02	4.0000E+02	6.0000E-06	6.00E-07	1.5000E-04	0.06	1.5000E-04	Unlikely
Ranitidine	<u>9.53E+07</u>	<u>2.46E+02</u>	<u>3.10E+05</u>	50	1.9058E+06	4.92E+00	6.2000E+03	4.92	2.6236E-07	1.02E-01	8.0645E-05	0.5	0.1016	Unlikely
Rifaximin	<u>1.92E+06</u>	<u>1.07E+06</u>	<u>8.07E+05</u>	1000	1.9160E+03	1.07E+03	8.0700E+02	8.0700E+02	8.0898E-02	1.44E-01	1.9207E-01	155	1.9207E-01	Unlikely
Roxithromycin	1.00E+04	1.00E+08	<u>6.72E+06</u>	100	1.0000E+02	1.00E+06	6.7170E+04	100.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Salicylic Acid	3.4530E+06	3.7000E+07	<u>1.0000E+07</u>	50	6.9060E+04	7.40E+05	2.0000E+05	6.9060E+04	4.3440E-05	4.05E-06	1.5000E-05	3	4.3440E-05	Unlikely
Sarafloxacin	1.5000E+03	<u>3.02E+09</u>	1.1000E+06	100	1.5000E+01	3.02E+07	1.1000E+04	15.00	3.2667E+00	1.62E-06	4.4545E-03	49	3.2667	Risky
Sertraline	1.21E+04	<u>4.08E+05</u>	<u>7.10E+04</u>	1000	1.2100E+01	4.08E+02	7.1000E+01	1.2100E+01	8.2645E-02	2.45E-03	1.4085E-02	1	8.2645E-02	Unlikely
Sildenafil	<u>2.91E+06</u>	<u>5.80E+06</u>	<u>7.17E+06</u>	1000	2.9100E+03	5.80E+03	7.1660E+03	2910.00						
Sisomycin	<u>6.02E+10</u>	<u>2.48E+08</u>	<u>2.08E+10</u>	1000	6.0183E+07	2.48E+05	2.0806E+07	2.4809E+05	6.6464E-06	1.61E-03	1.9226E-05	400	1.6123E-03	Unlikely
Sotalol	<u>2.64E+07</u>	<u>6.17E+08</u>	<u>6.08E+07</u>	1000	2.6386E+04	6.17E+05	6.0809E+04	2.6386E+04	1.8949E-05	8.11E-07	8.2225E-06	0.5	1.8949E-05	Unlikely
Spiramycin	5.00E+03	<u>5.61E+07</u>	<u>9.65E+07</u>	1000	5.0000E+00	5.61E+04	9.6469E+04	5.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Streptomycin	<u>5.00E+04</u>	<u>3.25E+12</u>	<u>5.60E+06</u>	50	1.0000E+03	6.50E+10	1.1200E+05	1000.00	7.0000E-01	1.08E-08	6.2500E-03	700	0.7000	Unlikely
Sulfacetamide	<u>1.02E+07</u>	<u>1.99E+09</u>	<u>1.62E+06</u>	1000	1.0159E+04	1.99E+06	1.6220E+03	1.6220E+03	1.5750E-01	8.04E-04	9.8644E-01	1600	9.8644E-01	Unlikely
Sulfadiazine	1.35E+05	1.36E+09	<u>1.88E+06</u>	1000	1.3500E+02	1.36E+06	1.8800E+03	1.3500E+02	4.4444E-02	4.41E-06	3.1915E-03	6	4.4444E-02	Unlikely
Sulfameter	<u>3.55E+09</u>	<u>3.45E+10</u>	<u>1.13E+10</u>	1000	3.5537E+06	3.45E+07	1.1292E+07	3.5537E+06	1.8291E-01	1.88E-06	5.7564E-06	65	1.8291E-05	Unlikely
Sulfamerazine	1.19E+07	1.00E+08	2.77E+08	1000	1.1900E+04	1.00E+05	2.7700E+05	1.1900E+04	3.7815E-01	4.50E-02	1.6245E-02	4500	3.7815E-01	Unlikely
Sulfamethazine	1.00E+06	5.00E+08	5.00E+07	50	2.0000E+04	1.00E+07	1.0000E+06	2.0000E+04	1.5000E-04	3.00E-07	3.0000E-06	3	1.5000E-04	Unlikely
Sulfamethoxazole	<u>6.0000E+03</u>	1.6000E+04	1.2000E+05	50	1.2000E+02	3.20E+02	2.4000E+03	120.00	6.6667E-03	2.50E-03	3.3333E-04	0.8	0.0067	Unlikely
Sulfamethizole	2.49E+07	<u>4.92E+08</u>	<u>2.00E+06</u>	1000	2.4940E+04	4.92E+05	2.0010E+03	2001.00	1.6038E-04	8.13E-06	1.9990E-03	4	0.0020	Unlikely
Sulfamethoxypyridazine	<u>3.82E+06</u>	<u>7.19E+08</u>	<u>2.09E+06</u>	1000	3.8200E+03	7.19E+05	2.0850E+03	2.0850E+03	1.3089E-03	6.95E-06	2.3981E-03	5	2.3981E-03	Unlikely
Sulfamoxole	<u>5.17E+06</u>	<u>1.08E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.08E+05	1.9520E+03	1.9520E+03	5.8005E-02	2.77E-03	1.5369E-01	300	1.5369E-01	Unlikely
Sulfaphenazole	<u>4.59E+06</u>	<u>1.77E+07</u>	<u>2.28E+06</u>	1000	4.5910E+03	1.77E+04	2.2760E+03	2.2760E+03	4.3563E-02	1.13E-02	8.7873E-02	200	8.7873E-02	Unlikely
Sulfapyridine	5.28E+06	<u>3.78E+08</u>	<u>1.84E+06</u>	1000	5.2800E+03	3.78E+05	1.8410E+03	1.8410E+03	3.7879E-02	5.30E-04	1.0864E-01	200	1.0864E-01	Unlikely
Sulfathiazole	1.3100E+07	5.0000E+08	2.2000E+06	100	1.3100E+05	5.00E+06	2.2000E+04	2.2000E+04	5.8015E-06	1.52E-07	3.4545E-05	0.76	3.4545E-05	Unlikely
Sulfisoxazole	<u>1.90E+07</u>	<u>1.80E+08</u>	<u>1.95E+06</u>	1000	1.8980E+04	1.80E+05	1.9510E+03	1.9510E+03	5.2687E-03	5.55E-04	5.1256E-02	100	5.1256E-02	Unlikely
Tamsulosin	<u>1.97E+06</u>	<u>3.87E+07</u>	<u>4.87E+06</u>	1000	1.9670E+03	3.87E+04	4.8710E+03	1.9670E+03	1.5252E-04	7.75E-06	6.1589E-05	0.3	1.5252E-04	Unlikely
Tenoxicam	<u>3.25E+05</u>	<u>5.39E+06</u>	<u>8.20E+05</u>	1000	3.2500E+02	5.39E+03	8.2000E+02	3.2500E+02	6.1538E-04	3.71E-05	2.4390E-04	0.2	6.1538E-04	Unlikely
Terbutalin	<u>1.33E+07</u>	<u>3.07E+07</u>	<u>2.05E+06</u>	1000	1.3320E+04	3.07E+04	2.0500E+03	2.0500E+03						
Tetracycline	5.00E+04	5.00E+02	1.00E+04	10	5.0000E+03	5.00E+01	1.0000E+03	50.00	8.0000E-04	8.00E-02	4.0000E-03	4	0.0800	Unlikely
Theophylline	<u>1.40E+04</u>	<u>2.34E+08</u>	<u>1.78E+07</u>	1000	1.4000E+01	2.34E+05	1.7796E+04	14.00	1.5714E+00	9.41E-05	1.2362E-03	22	1.5714	Risky
Thiabendazole	<u>9.79E+05</u>	<u>1.09E+07</u>	<u>1.32E+07</u>	1000	9.7900E+02	1.09E+04	1.3200E+04	9.7900E+02	3.0644E-04	2.75E-05	2.2727E-05	0.3	3.0644E-04	Unlikely
Thiamphenicol	<u>1.98E+08</u>	<u>2.11E+08</u>	<u>2.86E+08</u>	100	1.9800E+06	2.11E+06	2.8610E+06	1.9800E+06	1.5152E-08	1.42E-08	1.0486E-08	0.03	1.5152E-08	Unlikely
Timolol	<u>8.97E+06</u>	<u>8.87E+07</u>	<u>1.03E+07</u>	1000	8.9720E+03	8.87E+04	1.0267E+04	8.9720E+03	3.3437E-05	3.38E-06	2.9220E-05	0.3	3.3437E-05	Unlikely
Tramadol	1.82E+07	2.67E+07	1.66E+07	1000	1.8235E+04	2.67E+04	1.6634E+04	1.6634E+04	1.7549E-03	1.20E-03	1.9238E-03	32	1.9238E-03	Unlikely
Trazodone	<u>9.78E+05</u>	<u>1.14E+07</u>	<u>1.57E+06</u>	1000	9.7800E+02	1.14E+04	1.5700E+03	9.7800E+02	2.0450E-04	1.75E-05	1.2739E-04	0.2	2.0450E-04	Unlikely
Trimethoprim	1.6000E+07	1.5700E+05	3.1200E+06	10	1.6000E+06	1.57E+04	3.1200E+05	1.5700E+04	1.2500E-07	1.27E-05	6.4103E-07	0.2	1.2739E-05	Unlikely
Valsartan	<u>3.87E+06</u>	<u>4.43E+07</u>	<u>8.61E+07</u>	1000	3.8650E+03	4.43E+04	8.6094E+04	3.8650E+03	6.7270E-04	5.86E-05	3.0200E-05	2.6	6.7270E-04	Unlikely
Venlafaxine	<u>2.66E+08</u>	<u>3.0500E+02</u>	<u>1.4128E+08</u>	50	5.3127E+06	6.10E+00	2.8256E+06	6.10	5.6469E-08	4.92E-02	1.0617E-07	0.3	0.0492	Unlikely
Xylazine	<u>1.38E+06</u>	<u>9.97E+05</u>	<u>7.14E+05</u>	1000	1.3800E+03	9.97E+02	7.1400E+02	7.1400E+02	2.3913E-03	3.31E-03	4.6218E-03	3.3	4.6218E-03	Unlikely

*AF	Condition
1000	if at least one short term E/LC50 was applied for algae, fish and
100	if when one long-term assay was applied for either one of the
50	if two long-term assays were available for two different trophic
10	if three long-term assays were available for the three different

Italic: NOEC or LOEC; Bold: Zhou et al.; Colored: EMEA, 1999; Underline: ECOSAR;
Unmarked: E(L)C50 from ECOTOX

Not in SW

Compound	EC50/LC50/NOEC/LOEC (smallest value) (ng/L)			AF*	PNEC (ng/L)			Smallest PNEC	Surface Water RQ			SW Median MEC	Surface Water RQ based on smallest PNEC	Result
	Algae	Fish	Daphnid		Algae	Fish	Daphnid		Algae	Fish	Daphnid			
17β estradiol	<i>8.000E+03</i>	<i>1.600E+01</i>	<i>6.000E+03</i>	10	8.000E+02	1.60E+00	6.000E+02	1.60	3.000E+02	1.50E+05	4.000E+02	240001.45	150000.9063	Risky
Acebutolol	<u>9.42E+07</u>	<u>1.32E+08</u>	<u>6.15E+07</u>	1000	9.4160E+04	1.32E+05	6.1477E+04	6.1477E+04						
Acetaminophen	<i>5.000E+03</i>	<i>5.000E+08</i>	<i>3.200E+05</i>	10	5.000E+02	5.00E+07	3.200E+04	500.00	7.8400E-01	7.84E-06	1.2250E-02	392	0.7840	Unlikely
Acetylsalicylic acid (Aspirin)	<u>8.67E+08</u>	<i>1.00E+05</i>	<i>6.10E+04</i>	50	1.7334E+07	2.00E+03	1.2200E+03	1.2200E+03	6.2883E-06	5.45E-02	8.9344E-02	109	8.9344E-02	Unlikely
Albendazole	4.60E+06	<u>2.20E+04</u>	1.00E+08	100	4.6000E+04	2.20E+02	1.0000E+06	2.2000E+02	7.6522E-04	1.60E-01	3.5200E-05	35.2	1.6000E-01	Unlikely
Albuterol	<u>1.45E+08</u>	<u>2.78E+08</u>	<u>1.13E+08</u>	1000	1.4459E+05	2.78E+05	1.1343E+05	1.1343E+05	1.3832E-06	7.20E-07	1.7632E-06	0.2	1.7632E-06	Unlikely
Alprazolam	<u>5.45E+06</u>	<u>5.31E+06</u>	<u>3.58E+06</u>	1000	5.4470E+03	5.31E+03	3.5810E+03	3.5810E+03	7.1489E-02	7.34E-02	1.0874E-01	389.4	1.0874E-01	Unlikely
Amikacin (Kanamycin B)	<u>1.70E+03</u>	<u>1.30E+07</u>	<u>1.70E+06</u>	10	1.7000E+02	1.30E+06	1.7000E+05	170.00	3.8235E+00	5.00E-04	3.8235E-03	650	3.8235	Risky
Amitriptyline	7.77E+05	<u>6.16E+05</u>	1.15E+06	1000	7.7700E+02	6.16E+02	1.1512E+03	6.1600E+02	1.9112E-02	2.41E-02	1.2899E-02	14.85	2.4107E-02	Unlikely
Amlodipine	<u>8.77E+05</u>	<u>5.12E+05</u>	<u>3.82E+05</u>	1000	8.7700E+02	5.12E+02	3.8200E+02	3.8200E+02	2.0525E-03	3.52E-03	4.7120E-03	1.8	4.7120E-03	Unlikely
Amoxicillin	<i>7.800E+02</i>	<i>1.000E+06</i>	<i>2.7130E+08</i>	50	<i>1.5600E+01</i>	<i>2.00E+04</i>	<i>5.4260E+06</i>	15.60	<i>2.0513E+00</i>	<i>1.60E-03</i>	<i>5.8975E-06</i>	32	2.0513	Risky
Ampicillin	<u>1.00E+09</u>	2.25E+09	1.42E+08	100	1.0000E+07	2.25E+07	1.4211E+06	1.4211E+06	2.3360E-06	1.04E-06	1.6438E-05	23.36	1.6438E-05	Unlikely
Atenolol	<i>1.000E+07</i>	<u>1.000E+06</u>	3.800E+04	50	2.0000E+05	2.00E+04	7.6000E+02	760.00	1.0450E-03	1.05E-02	2.7500E-01	209	0.2750	Unlikely
Atorvastatin	<i>8.500E+04</i>	<i>1.300E+01</i>	<i>1.000E+03</i>	10	8.5000E+03	1.30E+00	1.0000E+02	1.30	2.2583E-02	1.48E+02	1.9196E+00	191.955	147.6577	Risky
Azithromycin	<u>1.85E+06</u>	<u>2.19E+07</u>	<u>3.02E+06</u>	1000	1.8470E+03	2.19E+04	3.0230E+03	1.8470E+03	1.0395E-02	8.75E-04	6.3513E-03	19.2	1.0395E-02	Unlikely
Bezafibrate	<u>1.3520E+06</u>	2.6600E+05	<u>2.300E+04</u>	1000	1.3520E+03	2.66E+02	2.3000E+01	23.00	6.5828E-02	3.35E-01	3.8696E+00	89	3.8696	Risky
Bisoprolol	<u>8.01E+06</u>	<u>7.99E+07</u>	<u>9.35E+06</u>	1000	8.0090E+03	7.99E+04	9.3510E+03	8.0090E+03	5.4314E-03	5.44E-04	4.6519E-03	43.5	5.4314E-03	Unlikely
Carazolol	<u>1.93E+06</u>	<u>2.11E+07</u>	<u>2.72E+06</u>	1000	1.9290E+03	2.11E+04	2.7210E+03	1.9290E+03	8.2945E-04	7.57E-05	5.8802E-04	1.6	8.2945E-04	Unlikely
Carbadox	<u>7.84E+06</u>	<u>4.09E+07</u>	<u>4.20E+08</u>	1000	7.8400E+03	4.09E+04	4.2031E+05	7.8400E+03	1.5306E-03	2.94E-04	2.8551E-05	12	1.5306E-03	Unlikely
Carbamazepine	1.7000E+04	<i>1.000E+05</i>	<i>1.000E+02</i>	50	3.4000E+02	2.00E+03	2.0000E+00	2.00	3.0824E-01	5.24E-02	5.2400E+01	104.8	52.4000	Risky
Cefixime	<u>1.45E+08</u>	<u>1.32E+10</u>	<u>3.38E+07</u>	1000	1.3241E+07	1.32E+07	3.3791E+04	3.3791E+04	1.0687E-05	1.07E-05	4.1875E-03	141.5	4.1875E-03	Unlikely
Cephalexin	<u>3.20E+08</u>	<u>7.46E+09</u>	<u>7.38E+08</u>	1000	7.4558E+06	7.46E+06	7.3829E+05	7.3829E+05	1.9019E-05	1.90E-05	1.9206E-04	141.8	1.9206E-04	Unlikely
Ceftriaxone	<u>3.31E+03</u>		<u>9.20E+07</u>	10	<u>3.3100E+02</u>		<u>9.2000E+06</u>	<u>3.3100E+02</u>	<u>1.2100E-01</u>		<u>1.2100E-01</u>	40.05	<u>1.2100E-01</u>	Unlikely
Cetirizine	<u>5.13E+09</u>	<u>3.87E+10</u>	<u>3.41E+09</u>	1000	5.1276E+06	3.87E+07	3.4093E+06	3.4093E+06	7.2842E-06	9.64E-07	1.0955E-05	37.35	1.0955E-05	Unlikely
Chloramphenicol	<i>2.50E+06</i>	<u>3.88E+07</u>	<i>2.00E+06</i>	50	5.0000E+04	7.76E+05	4.0000E+04	4.0000E+04	1.8600E-03	1.20E-04	2.3250E-03	93	2.3250E-03	Unlikely
Cimetidine	<u>7.8700E+05</u>	<u>1.000E+08</u>	2.7130E+08	100	7.8700E+03	1.00E+06	2.7130E+06	7.8700E+03	1.6010E-03	1.26E-05	4.6443E-06	12.6	1.6010E-03	Unlikely
Ciprofloxacin	<i>5.000E+03</i>	<i>1.000E+07</i>	<i>6.000E+07</i>	100	<i>5.000E+01</i>	<i>1.00E+05</i>	<i>6.000E+05</i>	50.00	<i>2.1400E+00</i>	<i>1.07E-03</i>	<i>1.7833E-04</i>	107	2.1400	Risky
Citalopram	1.60E+06	<u>1.00E+03</u>	<u>8.00E+05</u>	50	3.2000E+04	2.00E+01	1.6000E+04	2.0000E+01	9.8906E-05	1.58E-01	1.9781E-04	3.165	1.5825E-01	Unlikely
Clarithromycin	2.00E+03	<u>1.00E+09</u>	8.16E+06	100	2.0000E+01	1.00E+07	8.1600E+04	20.00	4.1775E+00	8.36E-06	1.0239E-03	83.55	4.1775	Risky
Clavulanic acid	<u>6.07E+09</u>	<u>1.55E+08</u>	<u>1.55E+07</u>	1000	6.0674E+06	1.55E+05	1.5475E+04	15475.00	2.8379E-04	1.11E-02	1.1127E-01	1721.87	0.1113	Unlikely
Clofibrate (clofibrac acid)	<i>7.500E+07</i>	<u>1.000E+05</u>	<i>6.400E+07</i>	10	7.5000E+06	1.00E+04	6.4000E+06	1.0000E+04	3.4133E-07	2.56E-04	4.0000E-07	2.56	2.5600E-04	Unlikely
Clopidogrel	<u>3.15E+05</u>	<u>3.93E+06</u>	<u>5.79E+05</u>	1000	3.1500E+02	3.93E+03	5.7900E+02	3.1500E+02	6.5079E-03	5.22E-04	3.5406E-03	2.05	6.5079E-03	Unlikely
Clotrimazole	<u>4.00E+04</u>	<u>3.60E+04</u>	<u>1.05E+05</u>	1000	4.0000E+01	3.60E+01	1.0500E+02	3.6000E+01	5.1250E-01	5.69E-01	1.9524E-01	20.5	5.6944E-01	Unlikely
Codeine	<u>3.29E+08</u>	<u>1.10E+09</u>	<u>5.83E+08</u>	1000	3.2950E+05	1.10E+06	5.8303E+05	3.2950E+05	6.8225E-05	2.05E-05	3.8557E-05	22.48	6.8225E-05	Unlikely
cyclophosphamid	<u>1.25E+07</u>		<u>1.25E+07</u>	1000	<u>1.2500E+04</u>		<u>1.2500E+04</u>	<u>1.2500E+04</u>	<u>1.6000E-04</u>		<u>1.6000E-04</u>	2	<u>1.6000E-04</u>	Unlikely
Danofloxacin														(Russo et al., 2018)
Dapsone	<u>5.54E+06</u>	<u>2.53E+08</u>	<u>1.82E+06</u>	1000	5.5350E+03	2.53E+05	1.8240E+03	1824.00	5.0587E-01	1.11E-02	1.5351E+00	2800	1.5351	Risky
Diatrizoic acid	<u>5.86E+08</u>	<u>1.87E+09</u>	<u>1.00E+09</u>	1000	5.8642E+05	1.87E+06	1.0030E+06	5.8642E+05	3.7516E-04	1.17E-04	2.1934E-04	220	3.7516E-04	Unlikely
Diazepam	<u>9.7800E+05</u>	<u>2.3500E+05</u>	4.3000E+06	100	9.7800E+03	2.35E+03	4.3000E+04	2.3500E+03	1.1247E-03	4.68E-03	2.5581E-04	11	4.6809E-03	Unlikely
Diclofenac	<i>5.000E+03</i>	<i>5.000E+02</i>	<i>1.000E+01</i>	10	5.0000E+02	5.00E+01	1.0000E+00	1.00	1.1630E-01	1.16E+00	5.8150E+01	58.15	58.1500	Risky
Dilantin (Phenytoin)	<u>9.22E+05</u>	<u>5.29E+05</u>	<u>3.96E+05</u>	1000	9.2200E+02	5.29E+02	3.9600E+02	3.9600E+02	1.9523E-01	3.40E-01	4.5455E-01	180	4.5455E-01	Unlikely
Diltiazem	<u>2.15E+06</u>	<i>5.00E+05</i>	<i>8.20E+06</i>	100	2.1510E+04	5.00E+03	8.2000E+04	5.0000E+03	4.9047E-04	2.11E-03	1.2866E-04	10.55	2.1100E-03	Unlikely
Dimetridazole	<u>3.50E+05</u>	<u>2.56E+07</u>	<u>4.27E+06</u>	1000	3.5000E+02	2.56E+04	4.2720E+03	3.5000E+02	5.2400E-01	7.16E-03	4.2931E-02	183.4	5.2400E-01	Unlikely
Diphenhydramine	<u>7.98E+05</u>	<u>9.20E+06</u>	<u>1.25E+06</u>	1000	7.9800E+02	9.20E+03	1.2470E+03	798.00	8.4586E-01	7.34E-02	5.4130E-01	675	0.8459	Unlikely
Doxycycline	<u>2.00E+09</u>	<u>1.39E+10</u>	<u>1.17E+08</u>	1000	1.9990E+06	1.39E+07	1.1735E+05	1.1735E+05	1.4507E-05	2.09E-06	2.4713E-04	29	2.4713E-04	Unlikely
Enrofloxacin	<i>4.90E+04</i>	<i>5.00E+06</i>	<i>1.00E+07</i>	50	9.8000E+02	1.00E+05	2.0000E+05	9.8000E+02	4.2041E-01	4.12E-03	2.0600E-03	412	4.2041E-01	Unlikely
Erythromycin	<i>2.000E+03</i>	<i>1.000E+08</i>	2.2000E+05	50	4.0000E+01	2.00E+06	4.4000E+03	40.00	3.0250E+00	6.05E-05	2.7500E-02	121	3.0250	Risky
Estriol	<u>2.23E+07</u>	<u>4.6500E+01</u>	<u>5.24E+06</u>	100	2.2252E+05	4.65E-01	5.2350E+04	0.47	3.4604E-05	1.66E+01	1.4709E-04	7.7	16.5591	Risky
Estrone	8.7400E+06	<i>1.9800E+05</i>	<i>1.000E+03</i>	50	1.7480E+05	3.96E+03	2.0000E+01	20.00	6.3501E-04	2.80E-02	5.5500E+00	111	5.5500	Risky
Ethinylestradiol	<i>8.400E+05</i>	<i>2.000E+00</i>	<i>1.000E+00</i>	50	1.6800E+04	4.00E-02	2.0000E-02	0.02	1.0119E-04	4.25E+01	8.5000E+01	1.7	85.0000	Risky
Etoricoxib	1.00E+07	<u>7.93E+06</u>	<u>7.50E+05</u>	50	2.0000E+05	1.59E+05	1.5000E+04	1.5000E+04	2.1671E-03	2.73E-03	2.8895E-02	433.425	2.8895E-02	Unlikely
Famotidine	<u>4.78E+08</u>	<i>1.00E+08</i>	<i>1.00E+08</i>	1000	4.7814E+05	1.00E+05	1.0000E+05	1.0000E+05	7.1945E-05	3.44E-04	3.4400E-04	34.4	3.4400E-04	Unlikely
Fenofibrate (Fenobibric acid)	<u>1.0850E+07</u>	<i>7.000E+05</i>	<u>4.9000E+06</u>	100	1.0850E+05	7.00E+03	4.9000E+04	7.0000E+03	1.2903E-04	2.00E-03	2.8571E-04	14	2.0000E-03	Unlikely
Fexofenadine	<u>2.5280E+07</u>	<u>2.8191E+08</u>	<u>3.6935E+07</u>	1000	2.5280E+04	2.82E+05	3.6935E+04	25280.00	1.0554E-01	9.46E-03	7.2235E-02	2668	0.105537975	Unlikely

Copy of On-Going Supplementary Table 2023-clean ANH.xlsx

Florfenicol	2.30E+06	3.50E+07	8.89E+08	100	2.3000E+04	3.50E+05	8.8900E+06	2.3000E+04	6.5913E-02	4.33E-03	1.7053E-04	1516	6.5913E-02	Unlikely
Flumequine	1.59E+05	<u>7.84E+08</u>	7.50E+05	100	1.5900E+03	7.84E+06	7.5000E+03	1590.00	1.3836E+00	2.81E-04	2.9333E-01	2200	1.3836	Risky
Flunixin	1.02E+07	6.08E+06	4.51E+06	1000	1.0200E+04	6.08E+03	4.5100E+03	4.5100E+03	1.5706E-03	2.63E-03	3.5521E-03	16.02	3.5521E-03	Unlikely
Fluoxetine	<u>7.20E+04</u>	<u>3.00E+01</u>	<u>1.00E+04</u>	10	7.2000E+03	3.00E+00	1.0000E+03	3.00	2.8472E-03	6.83E+00	2.0500E-02	20.5	6.8333	Risky
Furosemide	<u>1.9797E+07</u>	<u>5.88E+08</u>	1.5600E+05	100	1.9797E+05	5.88E+06	1.5600E+03	1.5600E+03	1.4722E-03	4.96E-05	1.8683E-01	291.45	1.8683E-01	Unlikely
Gabapentin	<u>7.77E+09</u>	8561.85	1.1000E+09	1000	7.7710E+06	8.56E+00	1.1000E+06	8.56	6.1318E-05	5.57E+01	4.3318E-04	476.5	55.6539	Risky
Gemfibrozil	3.1250E+06	<u>1.5000E+03</u>	<u>7.8000E+04</u>	10	3.1250E+05	1.50E+02	7.8000E+03	150.00	7.3600E-05	1.53E-01	2.9487E-03	23	0.1533	Unlikely
Gentamicin	<u>4.34E+09</u>	<u>2.84E+10</u>	<u>2.16E+09</u>	1000	4.3439E+06	2.84E+07	2.1572E+06	2.1572E+06	1.8417E-04	2.82E-05	3.7085E-04	800	3.7085E-04	Unlikely
Glibenclamide	<u>3.08E+05</u>	<u>3.08E+05</u>	<u>5.85E+05</u>	1000	3.0800E+02	3.08E+02	5.8500E+02	3.0800E+02	1.2013E-02	1.20E-02	6.3248E-03	3.7	1.2013E-02	Unlikely
Glimepiride														
Hydrochlorothiazide	<u>5.62E+07</u>	<u>2.81E+09</u>	<u>8.13E+09</u>	1000	5.6184E+04	2.81E+06	8.1250E+06	5.6184E+04	4.5921E-03	9.19E-05	3.1754E-05	258	4.5921E-03	Unlikely
Hydrocortisone	<u>2.33E+08</u>	<u>6.60E+08</u>	<u>3.62E+08</u>	1000	2.3263E+05	6.60E+05	3.6175E+05	2.3263E+05	2.1493E-04	7.57E-05	1.3822E-04	50	2.1493E-04	Unlikely
Ibuprofen	2.0000E+06	1.0000E+02	1.0000E+06	10	2.0000E+05	1.00E+01	1.0000E+05	10.00	4.5500E-04	9.10E+00	9.1000E-04	91	9.1000	Risky
Indomethacin	2.9000E+06	4.4000E+07	2.7000E+07	100	2.9000E+04	4.40E+05	2.7000E+05	2.9000E+04	8.6207E-04	5.68E-05	9.2593E-05	25	8.6207E-04	Unlikely
iohexol	<u>6.05E+11</u>	<u>1.4E+13</u>	<u>5.09E+12</u>	1000	6.0500E+08	1.40E+10	5.0900E+09	6.0500E+08	1.2397E-07	5.36E-09	1.4735E-08	75	1.2397E-07	Unlikely
iohexol	<u>3.20E+09</u>	<u>8.93E+10</u>	<u>1.44E+11</u>	1000	3.2000E+06	8.93E+07	1.4400E+08	3.2000E+06	1.6563E-03	5.94E-05	3.6806E-05	5300	1.6563E-03	Unlikely
iopamidol	<u>5.86E+10</u>	<u>6.87E+11</u>	<u>2.86E+11</u>	1000	5.8628E+07	6.87E+08	2.8600E+08	5.8628E+07	7.1042E-04	6.06E-05	1.4563E-04	41650	7.1042E-04	Unlikely
Iopromide	4.5810E+09	9.6200E+08	1.0000E+09	1000	4.5810E+06	9.62E+05	1.0000E+06	9.6200E+05	6.5488E-04	3.12E-03	3.0000E-03	3000	3.1185E-03	Unlikely
Iotalamic acid	4.97E+08	1.51E+09	8.16E+08	1000	4.9661E+05	1.51E+06	8.1625E+05	4.9661E+05	4.6314E-05	1.52E-05	2.8178E-05	23	4.6314E-05	Unlikely
Ioxaglic acid	<u>5.71E+07</u>	<u>1.63E+09</u>	<u>1.41E+09</u>	1000	5.7146E+04	1.63E+06	1.4132E+06	5.7146E+04	4.8997E-04	1.72E-05	1.9813E-05	28	4.8997E-04	Unlikely
Ioxithalamic acid	<u>1.88E+09</u>	<u>2.68E+10</u>	<u>3.28E+10</u>	1000	1.8800E+06	2.68E+07	3.2800E+07	1.8800E+06						
Irbesartan	7.20E+06	<u>7.04E+06</u>	<u>8.64E+07</u>	10	7.2000E+05	7.04E+05	8.6400E+06	7.0400E+05	6.6667E-06	6.82E-06	5.5556E-07	4.8	6.8182E-06	Unlikely
Josamycin	<u>2.37E+06</u>	<u>1.17E+07</u>	<u>3.76E+06</u>	1000	2.3740E+03	1.17E+04	3.7570E+03	2.3740E+03	4.8441E-01	9.83E-02	3.0610E-01	1150	4.8441E-01	Unlikely
Ketoprofen	<u>1.0400E+06</u>	1.5770E+05	2.3000E+06	100	1.0400E+04	1.58E+03	2.3000E+04	1.5770E+03	1.1731E-02	7.74E-02	5.3043E-03	122	7.7362E-02	Unlikely
Labetalol	<u>3.16E+06</u>	<u>3.37E+07</u>	<u>4.21E+06</u>	1000	3.1600E+03	3.37E+04	4.2130E+03	3.1600E+03						
Lamotrigine	<u>1.50E+07</u>	<u>1.26E+08</u>	<u>4.83E+06</u>	1000	1.5000E+04	1.26E+05	4.8300E+03	4.8300E+03	5.3333E-02	6.35E-03	1.6563E-01	800	1.6563E-01	Unlikely
Levamisol	<u>9.43E+05</u>	<u>1.06E+07</u>	<u>1.39E+06</u>	1000	9.4300E+02	1.06E+04	1.3900E+03	9.4300E+02	2.2800E-03	2.03E-04	1.5468E-03	2.15	2.2800E-03	Unlikely
Lidocaine	<u>7.71E+06</u>	<u>7.54E+07</u>	<u>8.64E+06</u>	1000	7.7130E+03	7.54E+04	8.6430E+03	7713.00	1.1772E-02	1.20E-03	1.0506E-02	90.8	0.0118	Unlikely
Lincomycin	7.00E+04	1.00E+09	7.20E+06	100	7.0000E+02	1.00E+07	7.2000E+04	7.0000E+02	2.6021E-01	1.82E-05	2.5299E-03	182.15	2.6021E-01	Unlikely
Linezolid	<u>6.26E+05</u>	<u>1.62E+08</u>	<u>1.39E+08</u>	1000	6.2600E+02	1.62E+05	1.3876E+05	6.2600E+02	1.4377E-03	5.57E-06	6.4860E-06	0.9	1.4377E-03	Unlikely
Loratadine	<u>6.20E+04</u>	3.83E+04	<u>1.00E+05</u>	100	6.2000E+02	3.83E+02	1.0000E+03	3.8288E+02	2.7177E-02	4.40E-02	1.6850E-02	16.85	4.4009E-02	Unlikely
Lorazepam	<u>5.82E+07</u>	<u>1.13E+08</u>	<u>6.99E+07</u>	1000	5.8239E+04	1.13E+05	6.9906E+04	5.8239E+04	7.9148E-03	4.06E-03	6.8895E-03	460.95	7.9148E-03	Unlikely
Losartan	<u>1.90E+06</u>	<u>2.15E+06</u>	<u>2.00E+06</u>	1000	1.8970E+03	2.15E+03	2.0010E+03	1.8970E+03	3.8192E-02	3.37E-02	3.6207E-02	72.45	3.8192E-02	Unlikely
Meclofenamic acid	<u>1.7000E+06</u>	<u>5.9700E+05</u>	<u>4.9100E+05</u>	1000	1.7000E+03	5.97E+02	4.9100E+02	491.00	4.4412E-01	1.26E+00	1.5377E+00	755	1.5377	Risky
mefenamic acid	2.5000E+06	3.4000E+06	1.0000E+07	100	2.5000E+04	3.40E+04	1.0000E+05	2.5000E+04	2.3800E-03	1.75E-03	5.9500E-04	59.5	2.3800E-03	Unlikely
Meloxicam	<u>1.84E+05</u>	<u>1.39E+06</u>	<u>3.93E+06</u>	1000	1.8400E+02	1.39E+03	3.9300E+03	1.8400E+02	1.1413E-02	1.51E-03	5.3435E-04	2.1	1.1413E-02	Unlikely
Meprobamate	<u>3.84E+08</u>	<u>1.47E+09</u>	<u>7.60E+08</u>	1000	3.8380E+05	1.47E+06	7.5979E+05	3.8380E+05	2.6055E-04	6.80E-05	1.3162E-04	100	2.6055E-04	Unlikely
Metformin	3.2000E+08	9.8200E+08	6.4000E+07	1000	3.2000E+05	9.82E+05	6.4000E+04	6.4000E+04	2.3125E-04	7.54E-05	1.1563E-03	74	1.1563E-03	Unlikely
Methotrexate	<u>2.03E+08</u>	<u>1.24E+11</u>	<u>3.49E+07</u>	1000	<u>2.0280E+05</u>	<u>1.24E+08</u>	<u>3.4926E+04</u>	<u>34926.00</u>	<u>1.5286E-04</u>	<u>2.50E-07</u>	<u>8.8759E-04</u>	<u>31</u>	<u>0.0009</u>	Unlikely
Metoprolol	7.3000E+06	<u>1.0000E+03</u>	3.2000E+06	100	7.3000E+04	1.00E+01	3.2000E+04	10.00	7.6849E-04	5.61E+00	1.7531E-03	56.1	5.6100	Risky
Metronidazole	1.25E+07	1.00E+09	1.00E+08	50	2.5000E+05	2.00E+07	2.0000E+06	2.5000E+05	2.0400E-04	2.55E-06	2.5500E-05	51	2.0400E-04	Unlikely
N-acetylcysteine	<u>4.64E+07</u>	<u>4.07E+09</u>	<u>8.30E+07</u>	1000	4.6411E+04	4.07E+06	8.2984E+04	4.6411E+04	1.2713E-03	1.45E-05	7.1098E-04	59	1.2713E-03	Unlikely
Nadolol	<u>2.26E+07</u>	<u>2.09E+08</u>	<u>2.26E+07</u>	1000	2.2600E+04	2.09E+05	2.2600E+04	2.2600E+04	5.9735E-05	6.46E-06	5.9735E-05	1.35	5.9735E-05	Unlikely
Naladixic acid	<u>1.80E+09</u>	<u>4.42E+09</u>	<u>3.29E+09</u>	1000	1.8000E+06	4.42E+06	3.2900E+06	1.8000E+06	4.7222E-03	1.92E-03	2.5836E-03	8500	4.7222E-03	Unlikely
Naproxen	4.0000E+07	5.2000E+07	8.2000E+07	1000	4.0000E+04	5.20E+04	8.2000E+04	4.0000E+04	3.5363E-03	2.72E-03	1.7250E-03	141.45	3.5363E-03	Unlikely
Neomycin	<u>3.0000E+04</u>	<u>3.0000E+04</u>	<u>3.0000E+04</u>	10	3.0000E+03	3.00E+03	3.0000E+03	3.0000E+03	1.3333E-01	1.33E-01	1.3333E-01	400	1.3333E-01	Unlikely
Niflumic acid	<u>6.95E+06</u>	<u>1.07E+07</u>	<u>1.47E+06</u>	1000	6.9470E+03	1.07E+04	1.4710E+03	1.4710E+03	1.0364E-02	6.72E-03	4.8946E-02	72	4.8946E-02	Unlikely
Norfloracin	1.6000E+03	1.4000E+04	1.2000E+05	10	1.6000E+02	1.40E+03	1.2000E+04	160.00	3.1250E-01	3.57E-02	4.1667E-03	50	0.3125	Unlikely
Ofloxacin	5.0000E+04	<u>1.6000E+07</u>	3.1300E+06	100	5.0000E+02	1.60E+05	3.1300E+04	500.00	2.9600E-01	9.25E-04	4.7284E-03	148	0.2960	Unlikely
Olanzapine	<u>2.37E+06</u>	<u>2.18E+07</u>	<u>3.27E+06</u>	1000	2.3690E+03	2.18E+04	3.2670E+03	2.3690E+03	1.3698E-02	1.49E-03	9.9327E-03	32.45	1.3698E-02	Unlikely
Oxacillin	<u>1.66E+07</u>	<u>4.66E+08</u>	<u>2.94E+08</u>	1000	1.6599E+04	4.66E+05	2.9424E+05	1.6599E+04	8.0246E-03	2.86E-04	4.5269E-04	133.2	8.0246E-03	Unlikely
Oxazepam	<u>1.70E+06</u>	<u>5.04E+07</u>	<u>4.78E+07</u>	1000	1.6980E+03	5.04E+04	4.7787E+04	1.6980E+03	2.6502E-02	8.94E-04	9.4168E-04	45	2.6502E-02	Unlikely
Oxytetracycline	3.10E+03	1.00E+09	3.08E+06	10	<u>3.1000E+02</u>	<u>1.00E+08</u>	<u>3.0800E+05</u>	<u>3.1000E+02</u>						
Paromomycin	<u>2.32E+13</u>	<u>8.54E+13</u>	<u>3.61E+12</u>	1000	2.3200E+10	8.54E+10	3.6100E+09	3.6100E+09	4.7414E-08	1.29E-08	3.0471E-07	1100	3.0471E-07	Unlikely
Penicillin	<u>6.51E+10</u>	<u>2.05E+13</u>	<u>1.32E+11</u>	1000	6.5107E+07	2.05E+10	1.3200E+08	6.5107E+07	6.3741E-07	2.02E-09	3.1439E-07	41.5	6.3741E-07	Unlikely
Phenazone	1.31E+06	2.32E+06	3.47E+06	1000	1.3100E+03	2.32E+03	3.4700E+03	1.3100E+03	2.2519E-03	1.27E-03	8.5014E-04	2.95	2.2519E-03	Unlikely
Phenylbutazone	<u>2.62E+05</u>	<u>8.43E+05</u>	<u>2.62E+06</u>	1000	2.6200E+02	8.43E+02	2.6230E+03	2.6200E+02	6.1069E-02	1.90E-02	6.0999E-03	16	6.1069E-02	Unlikely
Pipemidic acid	<u>2.36E+10</u>	<u>1.58E+11</u>	<u>1.22E+10</u>	1000	2.3644E+07	1.58E+08	1.2227E+07	1.2227E+07	1.2625E-06	1.89E-07	2.4412E-06	29.85	2.4412E-06	Unlikely
Primidone	<u>1.27E+07</u>	<u>5.31E+08</u>	<u>1.05E+09</u>	1000	1.2692E+04	5.31E+05	1.0520E+06	1.2692E+04	2.2652E-02	5.41E-04	2.7328E-04	287.5	2.2652E-02	Unlikely
Pravastatin	<u>8.55E+07</u>	<u>1.29E+08</u>	<u>2.39E+08</u>	1000	8.5494E+04	1.29E+05	2.3910E+05	8.5494E+04	8.8076E-04	5.82E-04	3.1493E-04	75.3	8.8076E-04	Unlikely
Propranolol	1.00E+05	1.00E+06	4.00E+03	10	1.0000E+04	1.00E+05	4.0000E+02	4.0000E+02	7.0000E-04	7.00E-05	1.7500E-02	7.00	1.7500E-02	Unlikely

Ranitidine	<u>9.53E+07</u>	<u>2.46E+02</u>	<u>3.10E+05</u>	50	1.9058E+06	4.92E+00	6.2000E+03	4.92	2.7810E-05	1.08E+01	8.5484E-03	53	10.7724	Risky
Rifaximin	<u>1.92E+06</u>	<u>1.07E+06</u>	<u>8.07E+05</u>	1000	1.9160E+03	1.07E+03	8.0700E+02	8.0700E+02	1.8189E-01	3.24E-01	4.3185E-01	348.5	4.3185E-01	Unlikely
Roxithromycin	<u>1.00E+04</u>	<u>1.00E+08</u>	<u>6.72E+06</u>	100	1.0000E+02	1.00E+06	6.7170E+04	100.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Salicylic Acid	<u>3.4530E+06</u>	<u>3.7000E+07</u>	<u>1.0000E+07</u>	50	6.9060E+04	7.40E+05	2.0000E+05	6.9060E+04	1.8064E-03	1.69E-04	6.2375E-04	124.75	1.8064E-03	Unlikely
Sarafloxacin	<u>1.5000E+03</u>	<u>3.02E+09</u>	<u>1.1000E+06</u>	100	1.5000E+01	3.02E+07	1.1000E+04	15.00	4.9333E+00	2.45E-06	6.7273E-03	74	4.9333	Risky
Sertraline	<u>1.21E+04</u>	<u>4.08E+05</u>	<u>7.10E+04</u>	1000	1.2100E+01	4.08E+02	7.1000E+01	1.2100E+01	1.1983E-01	3.55E-03	2.0423E-02	1.45	1.1983E-01	Unlikely
Sildenafil	<u>2.91E+06</u>	<u>5.80E+06</u>	<u>7.17E+06</u>	1000	2.9100E+03	5.80E+03	7.1660E+03	2910.00						
Sisomycin	<u>6.02E+10</u>	<u>2.48E+08</u>	<u>2.08E+10</u>	1000	6.0183E+07	2.48E+05	2.0806E+07	2.4809E+05	6.6464E-06	1.61E-03	1.9226E-05	400	1.6123E-03	Unlikely
Sotalol	<u>2.64E+07</u>	<u>6.17E+08</u>	<u>6.08E+07</u>	1000	2.6386E+04	6.17E+05	6.0809E+04	2.6386E+04	3.0319E-04	1.30E-05	1.3156E-04	8	3.0319E-04	Unlikely
Spiramycin	<u>5.00E+03</u>	<u>5.61E+07</u>	<u>9.65E+07</u>	1000	5.0000E+00	5.61E+04	9.6469E+04	5.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Streptomycin	<u>5.00E+04</u>	<u>3.25E+12</u>	<u>5.60E+06</u>	50	1.0000E+03	6.50E+10	1.1200E+05	1000.00	2.0500E+00	3.15E-08	1.8304E-02	2050	2.0500	Risky
Sulfacetamide	<u>1.02E+07</u>	<u>1.99E+09</u>	<u>1.62E+06</u>	1000	1.0159E+04	1.99E+06	1.6220E+03	1.6220E+03	1.5750E-01	8.04E-04	9.8644E-01	1600	9.8644E-01	Unlikely
Sulfadiazine	<u>1.35E+05</u>	<u>1.36E+09</u>	<u>1.88E+06</u>	1000	1.3500E+02	1.36E+06	1.8800E+03	1.3500E+02	6.2963E-02	6.25E-06	4.5213E-03	8.5	6.2963E-02	Unlikely
Sulfamer	<u>3.55E+09</u>	<u>3.45E+10</u>	<u>1.13E+10</u>	1000	3.5537E+06	3.45E+07	1.1292E+07	3.5537E+06	1.8291E-05	1.88E-06	5.7564E-06	65	1.8291E-05	Unlikely
Sulfamerazine	<u>1.19E+07</u>	<u>1.00E+08</u>	<u>2.77E+08</u>	1000	1.1900E+04	1.00E+05	2.7700E+05	1.1900E+04	3.7815E-01	4.50E-02	1.6245E-02	4500	3.7815E-01	Unlikely
Sulfamethazine	<u>1.00E+06</u>	<u>5.00E+08</u>	<u>5.00E+07</u>	50	2.0000E+04	1.00E+07	1.0000E+06	2.0000E+04	4.5075E-02	9.02E-05	9.0150E-04	901.5	4.5075E-02	Unlikely
Sulfamethoxazole	<u>6.0000E+03</u>	<u>1.6000E+04</u>	<u>1.2000E+05</u>	50	1.2000E+02	3.20E+02	2.4000E+03	120.00	5.0000E-01	1.88E-01	2.5000E-02	60	0.5000	Unlikely
Sulfamethizole	<u>2.49E+07</u>	<u>4.92E+08</u>	<u>2.00E+06</u>	1000	2.4940E+04	4.92E+05	2.0010E+03	2001.00	8.2398E-03	4.18E-04	1.0270E-01	205.5	0.1027	Unlikely
Sulfamethoxypyridazine	<u>3.82E+06</u>	<u>7.19E+08</u>	<u>2.09E+06</u>	1000	3.8200E+03	7.19E+05	2.0850E+03	2.0850E+03	1.3089E-03	6.95E-06	2.3981E-03	5	2.3981E-03	Unlikely
Sulfamoxole	<u>5.17E+06</u>	<u>1.08E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.08E+05	1.9520E+03	1.9520E+03	1.0634E-01	5.08E-03	2.8176E-01	550	2.8176E-01	Unlikely
Sulfaphenazole	<u>4.59E+06</u>	<u>1.77E+07</u>	<u>2.28E+06</u>	1000	4.5910E+03	1.77E+04	2.2760E+03	2.2760E+03	1.7425E-01	4.52E-02	3.5149E-01	800	3.5149E-01	Unlikely
Sulfapyridine	<u>5.28E+06</u>	<u>3.78E+08</u>	<u>1.84E+06</u>	1000	5.2800E+03	3.78E+05	1.8410E+03	1.8410E+03	5.6818E-02	7.95E-04	1.6295E-01	300	1.6295E-01	Unlikely
Sulfathiazole	<u>1.3100E+07</u>	<u>5.0000E+08</u>	<u>2.2000E+06</u>	100	1.3100E+05	5.00E+06	2.2000E+04	2.2000E+04	2.2901E-05	6.00E-07	1.3636E-04	3	1.3636E-04	Unlikely
Sulfisoxazole	<u>1.90E+07</u>	<u>1.80E+08</u>	<u>1.95E+06</u>	1000	1.8980E+04	1.80E+05	1.9510E+03	1.9510E+03	2.1075E-02	2.22E-03	2.0502E-01	400	2.0502E-01	Unlikely
Tamsulosin	<u>1.97E+06</u>	<u>3.87E+07</u>	<u>4.87E+06</u>	1000	1.9670E+03	3.87E+04	4.8710E+03	1.9670E+03	1.0676E-03	5.43E-05	4.3112E-04	2.1	1.0676E-03	Unlikely
Tenoxicam	<u>3.25E+05</u>	<u>5.39E+06</u>	<u>8.20E+05</u>	1000	3.2500E+02	5.39E+03	8.2000E+02	3.2500E+02	6.4615E-03	3.90E-04	2.5610E-03	2.1	6.4615E-03	Unlikely
Terbutalin	<u>1.33E+07</u>	<u>3.07E+07</u>	<u>2.05E+06</u>	1000	1.3320E+04	3.07E+04	2.0500E+03	2.0500E+03						
Tetracycline	<u>5.00E+04</u>	<u>5.00E+02</u>	<u>1.00E+04</u>	10	5.0000E+03	5.00E+01	1.0000E+03	50.00	1.2500E-02	1.25E+00	6.2500E-02	62.5	1.2500	Risky
Theophylline	<u>1.40E+04</u>	<u>2.34E+08</u>	<u>1.78E+07</u>	1000	1.4000E+01	2.34E+05	1.7796E+04	14.00	2.8571E+00	1.71E-04	2.2477E-03	40	2.8571	Risky
Thiabendazole	<u>9.79E+05</u>	<u>1.09E+07</u>	<u>1.32E+07</u>	1000	9.7900E+02	1.09E+04	1.3200E+04	9.7900E+02	6.0266E-03	5.41E-04	4.4697E-04	5.9	6.0266E-03	Unlikely
Thiamphenicol	<u>1.98E+08</u>	<u>2.11E+08</u>	<u>2.86E+08</u>	100	1.9800E+06	2.11E+06	2.8610E+06	1.9800E+06	2.6778E-05	2.51E-05	1.8532E-05	53.02	2.6778E-05	Unlikely
Timolol	<u>8.97E+06</u>	<u>8.87E+07</u>	<u>1.03E+07</u>	1000	8.9720E+03	8.87E+04	1.0267E+04	8.9720E+03	3.3437E-05	3.38E-06	2.9220E-05	0.3	3.3437E-05	Unlikely
Tramadol	<u>1.82E+07</u>	<u>2.67E+07</u>	<u>1.66E+07</u>	1000	1.8235E+04	2.67E+04	1.6634E+04	1.6634E+04	1.5876E-02	1.09E-02	1.7404E-02	289.5	1.7404E-02	Unlikely
Trazodone	<u>9.78E+05</u>	<u>1.14E+07</u>	<u>1.57E+06</u>	1000	9.7800E+02	1.14E+04	1.5700E+03	9.7800E+02	1.1247E-03	9.65E-05	7.0064E-04	1.1	1.1247E-03	Unlikely
Trimethoprim	<u>1.6000E+07</u>	<u>1.5700E+05</u>	<u>3.1200E+06</u>	10	1.6000E+06	1.57E+04	3.1200E+05	1.5700E+04	7.1250E-05	7.26E-03	3.6538E-04	114	7.2611E-03	Unlikely
Valsartan	<u>3.87E+06</u>	<u>4.43E+07</u>	<u>8.61E+07</u>	1000	3.8650E+03	4.43E+04	8.6094E+04	3.8650E+03	1.8111E-02	1.58E-03	8.1306E-04	70	1.8111E-02	Unlikely
Venlafaxine	<u>2.66E+08</u>	<u>3.0500E+02</u>	<u>1.4128E+08</u>	50	5.3127E+06	6.10E+00	2.8256E+06	6.10	4.7810E-06	4.16E+00	8.9892E-06	25.4	4.1639	Risky
Xylazine	<u>1.38E+06</u>	<u>9.97E+05</u>	<u>7.14E+05</u>	1000	1.3800E+03	9.97E+02	7.1400E+02	7.1400E+02	2.7536E-03	3.81E-03	5.3221E-03	3.8	5.3221E-03	Unlikely

*AF

Condition

1000	if at least one short term E/LC50 was applied for algae, fish and
100	if when one long-term assay was applied for either one of the
50	if two long-term assays were available for two different trophic
10	if three long-term assays were available for the three different

Italic: NOEC or LOEC; Bold: Zhou et al.; Colored: EMEA, 1999; Underline: ECOSAR; Not in SW

Compound	EC50/LC50/NOEC/LOEC (smallest value) (ng/L)			AF*	PNEC (ng/L)			Smallest PNEC	Surface Water RQ			SW Mean MEC	Surface Water RQ based on smallest PNEC	Result
	Algae	Fish	Daphnid		Algae	Fish	Daphnid		Algae	Fish	Daphnid			
	17β estradiol	<i>8.000E+03</i>	<i>1.600E+01</i>		<i>6.000E+03</i>	10	8.000E+02		1.60E+00	6.000E+02	1.60			
Acetaminophen	<i>5.000E+03</i>	<i>5.000E+08</i>	<i>3.200E+05</i>	10	5.000E+02	5.00E+07	3.200E+04	500.00	1.6096E+01	1.61E-04	2.5151E-01	8048.24619	16.0965	Risky
Acetylsalicylic acid (Aspirin)	<u>8.67E+08</u>	<i>1.00E+05</i>	<i>6.10E+04</i>	50	1.7334E+07	2.00E+03	1.2200E+03	1.2200E+03	6.2883E-06	5.45E-02	8.9344E-02	109	8.9344E-02	Unlikely
Albendazole	4.60E+06	<i>2.20E+04</i>	1.00E+08	100	4.6000E+04	2.20E+02	1.0000E+06	2.2000E+02	7.6522E-04	1.60E-01	3.5200E-05	35.2	1.6000E-01	Unlikely
Albuterol	<u>1.45E+08</u>	<u>2.78E+08</u>	<u>1.13E+08</u>	1000	1.4459E+05	2.78E+05	1.1343E+05	1.1343E+05	1.3832E-06	7.20E-07	1.7632E-06	0.2	1.7632E-06	Unlikely
Alprazolam	<u>5.45E+06</u>	<u>5.31E+06</u>	<u>3.58E+06</u>	1000	5.4470E+03	5.31E+03	3.5810E+03	3.5810E+03	6.5164E-02	6.69E-02	9.9120E-02	354.95	9.9120E-02	Unlikely
Amikacin (Kanamycin B)	<u>1.70E+03</u>	<u>1.30E+07</u>	<u>1.70E+06</u>	10	1.7000E+02	1.30E+06	1.7000E+05	170.00	4.2647E+00	5.58E-04	4.2647E-03	725	4.2647	Risky
Amitriptyline	7.77E+05	<u>6.16E+05</u>	1.15E+06	1000	7.7700E+02	6.16E+02	1.1512E+03	6.1600E+02	2.1750E-02	2.74E-02	1.4680E-02	16.9	2.7435E-02	Unlikely
Amlodipine	<u>8.77E+05</u>	<u>5.12E+05</u>	<u>3.82E+05</u>	1000	8.7700E+02	5.12E+02	3.8200E+02	3.8200E+02	3.3945E-03	4.10E-03	5.4974E-03	2.1	5.4974E-03	Unlikely
Amoxicillin	<i>7.800E+02</i>	<i>1.000E+06</i>	<i>2.7130E+08</i>	50	1.5600E+01	2.00E+04	5.4260E+06	15.60	5.8242E+00	4.54E-03	1.6745E-05	90.85714286	5.8242	Risky
Ampicillin	<i>1.00E+09</i>	2.25E+09	1.42E+08	100	1.0000E+07	2.25E+07	1.4211E+06	1.4211E+06	2.3360E-06	1.04E-06	1.6438E-05	23.36	1.6438E-05	Unlikely
Atenolol	<i>1.000E+07</i>	<i>1.000E+06</i>	3.8000E+04	50	2.0000E+05	2.00E+04	7.6000E+02	760.00	2.8667E-03	2.87E-02	7.5438E-01	573.33	0.7544	Unlikely
Atorvastatin	<i>8.5000E+04</i>	<i>1.300E+01</i>	<i>1.000E+03</i>	10	8.5000E+03	1.30E+00	1.0000E+02	1.30	2.5944E-02	1.70E+02	2.2053E+00	220.5275	169.6365	Risky
Azithromycin	<u>1.85E+06</u>	<u>2.19E+07</u>	<u>3.02E+06</u>	1000	1.8470E+03	2.19E+04	3.0230E+03	1.8470E+03	3.3660E-02	2.83E-03	2.0566E-02	62.17	3.3660E-02	Unlikely
Bezafibrate	<u>1.3520E+06</u>	2.6600E+05	<i>2.300E+04</i>	1000	1.3520E+03	2.66E+02	2.3000E+01	23.00	2.3717E-01	1.21E+00	1.3941E+01	320.65	13.9413	Risky
Bisoprolol	<u>8.01E+06</u>	<u>7.99E+07</u>	<u>9.35E+06</u>	1000	8.0090E+03	7.99E+04	9.3510E+03	8.0090E+03	5.4314E-03	5.44E-04	4.6519E-03	43.5	5.4314E-03	Unlikely
Carazolol	<u>1.93E+06</u>	<u>2.11E+07</u>	<u>2.72E+06</u>	1000	1.9290E+03	2.11E+04	2.7210E+03	1.9290E+03	8.2945E-04	7.57E-05	5.8802E-04	1.6	8.2945E-04	Unlikely
Carbadox	<u>7.84E+06</u>	<u>4.09E+07</u>	<u>4.20E+08</u>	1000	7.8400E+03	4.09E+04	4.2031E+05	7.8400E+03	1.5306E-03	2.94E-04	2.8551E-05	12	1.5306E-03	Unlikely
Carbamazepine	1.7000E+04	<i>1.000E+05</i>	<i>1.000E+02</i>	50	3.4000E+02	2.00E+03	2.0000E+00	2.00	1.8526E+00	3.15E-01	3.1494E+02	629.87	314.9350	Risky
Cefixime	<u>1.45E+08</u>	<u>1.32E+10</u>	<u>3.38E+07</u>	1000	1.3241E+07	1.32E+07	3.3791E+04	3.3791E+04	1.0687E-05	1.07E-05	4.1875E-03	141.5	4.1875E-03	Unlikely
Cephalexin	<u>3.20E+08</u>	<u>7.46E+09</u>	<u>7.38E+08</u>	1000	7.4558E+06	7.46E+06	7.3829E+05	7.3829E+05	1.3772E-05	1.38E-05	1.3908E-04	102.68	1.3908E-04	Unlikely
Ceftriaxone	<i>3.31E+03</i>	<i>9.20E+07</i>	<i>9.20E+07</i>	10	<i>3.3100E+02</i>	<i>9.2000E+06</i>	<i>3.3100E+02</i>	<i>3.3100E+02</i>	<i>1.2100E-01</i>	<i>1.2100E-01</i>	<i>1.2100E-01</i>	<i>40.05</i>	<i>1.2100E-01</i>	Unlikely
Chloramphenicol	<i>2.50E+06</i>	<u>3.88E+07</u>	<i>2.00E+06</i>	50	5.0000E+04	7.76E+05	4.0000E+04	4.0000E+04	5.3322E-02	3.43E-03	6.6653E-02	2666.1	6.6653E-02	Unlikely
Cimetidine	<u>7.8700E+05</u>	<i>1.000E+08</i>	2.7130E+08	100	7.8700E+03	1.00E+06	2.7130E+06	7.8700E+03	1.7226E-02	1.36E-04	4.9971E-05	135.57	1.7226E-02	Unlikely
Ciprofloxacin	<i>5.000E+03</i>	<i>1.000E+07</i>	<i>6.000E+07</i>	100	<i>5.000E+01</i>	<i>1.00E+05</i>	<i>6.000E+05</i>	<i>50.00</i>	<i>4.0849E+00</i>	<i>2.04E-03</i>	<i>3.4041E-04</i>	<i>204.2470588</i>	<i>4.0849</i>	Risky
Citalopram	1.60E+06	<i>1.00E+03</i>	<i>8.00E+05</i>	50	3.2000E+04	2.00E+01	1.6000E+04	2.0000E+01	1.5688E-04	2.51E-01	3.1375E-04	5.02	2.5100E-01	Unlikely
Clarithromycin	2.00E+03	<i>1.00E+09</i>	8.16E+06	100	2.0000E+01	1.00E+07	8.1600E+04	20.00	1.0299E+01	2.06E-05	5.2241E-03	205.97	10.2985	Risky
Clavulanic acid	6.07E+09	<u>1.55E+08</u>	<u>1.55E+07</u>	1000	6.0674E+06	1.55E+05	1.5475E+04	15475.00	1.9871E-03	7.77E-02	7.7911E-01	12056.71	0.7791	Unlikely
Clofibrate (clofibric acid)	<i>7.500E+07</i>	<i>1.000E+05</i>	<i>6.400E+07</i>	10	7.5000E+06	1.00E+04	6.4000E+06	1.0000E+04	3.4027E-06	2.55E-03	3.9875E-06	25.52	2.5520E-03	Unlikely
Clopidogrel	<u>3.15E+05</u>	<u>3.93E+06</u>	<u>5.79E+05</u>	1000	3.1500E+02	3.93E+03	5.7900E+02	3.1500E+02	6.5079E-03	5.22E-04	3.5406E-03	2.05	6.5079E-03	Unlikely
Clotrimazole	<u>4.00E+04</u>	<u>3.60E+04</u>	<u>1.05E+05</u>	1000	4.0000E+01	3.60E+01	1.0500E+02	3.6000E+01	5.1250E-01	5.69E-01	1.9524E-01	20.5	5.6944E-01	Unlikely
cyclophosphamid	<i>1.25E+07</i>	<i>1.25E+07</i>	<i>1.25E+07</i>	1000	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.6000E-04</i>	<i>1.6000E-04</i>	<i>1.6000E-04</i>	<i>2</i>	<i>1.6000E-04</i>	Unlikely
Danofloxacin	<i>1.25E+07</i>	<i>1.25E+07</i>	<i>1.25E+07</i>	1000	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.2500E+04</i>	<i>1.6000E-04</i>	<i>1.6000E-04</i>	<i>1.6000E-04</i>	<i>78</i>	<i>1.6000E-04</i>	Unlikely
Dapsone	<u>5.54E+06</u>	<u>2.53E+08</u>	<u>1.82E+06</u>	1000	5.5350E+03	2.53E+05	1.8240E+03	1824.00	5.0587E-01	1.11E-02	1.5351E+00	2800	1.5351	Risky
Diatrizoic acid	<u>5.86E+08</u>	<u>1.87E+09</u>	<u>1.00E+09</u>	1000	5.8642E+05	1.87E+06	1.0030E+06	5.8642E+05	5.5847E-04	1.75E-04	3.2651E-04	327.5	5.5847E-04	Unlikely
Diazepam	<u>9.7800E+05</u>	<i>2.3500E+05</i>	4.3000E+06	100	9.7800E+03	2.35E+03	4.3000E+04	2.3500E+03	1.1247E-03	4.68E-03	2.5581E-04	11	4.6809E-03	Unlikely
Diclofenac	<i>5.000E+03</i>	<i>5.000E+02</i>	<i>1.000E+01</i>	10	5.0000E+02	5.00E+01	1.0000E+00	1.00	1.2392E+00	1.24E+01	6.1959E+02	619.59	619.5900	Risky
Dilantin (Phenytoin)	9.22E+05	<u>5.29E+05</u>	<u>3.96E+05</u>	1000	9.2200E+02	5.29E+02	3.9600E+02	3.9600E+02	1.9523E-01	3.40E-01	4.5455E-01	180	4.5455E-01	Unlikely
Diltiazem	<u>2.15E+06</u>	<i>5.00E+05</i>	<i>8.20E+06</i>	100	2.1510E+04	5.00E+03	8.2000E+04	5.0000E+03	4.4956E-03	1.93E-02	1.1793E-03	96.7	1.9340E-02	Unlikely
Dimetridazole	<u>3.50E+05</u>	<u>2.56E+07</u>	<u>4.27E+06</u>	1000	3.5000E+02	2.56E+04	4.2720E+03	3.5000E+02	5.2400E-01	7.16E-03	4.2931E-02	183.4	5.2400E-01	Unlikely
Diphenhydramine	<u>7.98E+05</u>	<u>9.20E+06</u>	<u>1.25E+06</u>	1000	7.9800E+02	9.20E+03	1.2470E+03	798.00	8.4586E-01	7.34E-02	5.4130E-01	675	0.8459	Unlikely
Doxycycline	<u>2.00E+09</u>	<u>1.39E+10</u>	<u>1.17E+08</u>	1000	1.9990E+06	1.39E+07	1.1735E+05	1.1735E+05	1.4507E-05	2.09E-06	2.4713E-04	29	2.4713E-04	Unlikely
Enrofloxacin	<i>4.90E+04</i>	<i>5.00E+06</i>	<i>1.00E+07</i>	50	9.8000E+02	1.00E+05	2.0000E+05	9.8000E+02	4.2041E-01	4.12E-03	2.0600E-03	412	4.2041E-01	Unlikely
Erythromycin	<i>2.000E+03</i>	<i>1.000E+08</i>	2.2000E+05	50	4.0000E+01	2.00E+06	4.4000E+03	40.00	1.1816E+01	2.36E-04	1.0741E-01	472.62	11.8155	Risky
Estrinol	<u>2.23E+07</u>	<i>4.6500E+01</i>	<u>5.24E+06</u>	100	2.2252E+05	4.65E-01	5.2350E+04	0.47	1.8066E-04	8.65E+01	7.6791E-04	40.2	86.4516	Risky
Estrone	8.7400E+06	<i>1.9800E+05</i>	<i>1.000E+03</i>	50	1.7480E+05	3.96E+03	2.0000E+01	20.00	6.9794E-04	3.08E-02	6.1000E+00	122	6.1000	Risky
Ethinylestradiol	<i>8.400E+05</i>	<i>2.000E+00</i>	<i>1.000E+00</i>	50	1.6800E+04	4.00E-02	2.0000E-02	0.02	3.1905E-03	1.34E+03	2.6800E+03	53.6	2680.0000	Risky
Etoricoxib	1.00E+07	<i>7.93E+06</i>	<i>7.50E+05</i>	50	2.0000E+05	1.59E+05	1.5000E+04	1.5000E+04	2.1345E-03	2.69E-03	2.8459E-02	426.89	2.8459E-02	Unlikely
Famotidine	<u>4.78E+08</u>	<i>1.00E+08</i>	<i>1.00E+08</i>	1000	4.7814E+05	1.00E+05	1.0000E+05	1.0000E+05	7.1945E-05	3.44E-04	3.4400E-04	34.4	3.4400E-04	Unlikely
Fenofibrate (Fenobibric acid)	<u>1.0850E+07</u>	<i>7.000E+05</i>	<u>4.9000E+06</u>	100	1.0850E+05	7.00E+03	4.9000E+04	7.0000E+03	3.1459E-03	4.88E-02	6.9659E-03	341.33	4.8761E-02	Unlikely
Fexofenadine	<u>2.5280E+07</u>	<u>2.8191E+08</u>	<u>3.6935E+07</u>	1000	2.5280E+04	2.82E+05	3.6935E+04	25280.00	2.5326E-01	2.27E-02	1.7335E-01	6402.5	0.253263449	Unlikely
Florfenicol	2.30E+06	<i>3.50E+07</i>	8.89E+08	100	2.3000E+04	3.50E+05	8.8900E+06	2.3000E+04	2.3306E-01	1.53E-02	6.0296E-04	5360.28	2.3306E-01	Unlikely
Flumequine	<i>1.59E+05</i>	<u></u>												

Gabapentin	<u>7.77E+09</u>	<u>8561.85</u>	<u>1.1000E+09</u>	1000	7.7710E+06	8.56E+00	1.1000E+06	8.56	1.2608E-04	1.14E+02	8.9067E-04	979.74	114.4309	Risky
Gemfibrozil	<u>3.1250E+06</u>	<u>1.5000E+03</u>	<u>7.8000E+04</u>	10	3.1250E+05	1.50E+02	7.8000E+03	150.00	1.8943E-03	3.95E+00	7.5894E-02	591.97	3.9465	Risky
Gentamicin	<u>4.34E+09</u>	<u>2.84E+10</u>	<u>2.16E+09</u>	1000	4.3439E+06	2.84E+07	2.1572E+06	2.1572E+06	1.8417E-04	2.82E-05	3.7085E-04	800	3.7085E-04	Unlikely
Glibenclamide	<u>3.08E+05</u>	<u>3.08E+05</u>	<u>5.85E+05</u>	1000	3.0800E+02	3.08E+02	5.8500E+02	3.0800E+02	2.1656E-02	2.17E-02	1.1402E-02	6.67	2.1656E-02	Unlikely
Glimepiride												12333.33		
Hydrochlorothiazide	<u>5.62E+07</u>	<u>2.81E+09</u>	<u>8.13E+09</u>	1000	5.6184E+04	2.81E+06	8.1250E+06	5.6184E+04	1.1644E-02	2.33E-04	8.0520E-05	654.23	1.1644E-02	Unlikely
Hydrocortisone	<u>2.33E+08</u>	<u>6.60E+08</u>	<u>3.62E+08</u>	1000	2.3263E+05	6.60E+05	3.6175E+05	2.3263E+05	2.1493E-04	7.57E-05	1.3822E-04	50	2.1493E-04	Unlikely
Ibuprofen	<u>2.0000E+06</u>	<u>1.0000E+02</u>	<u>1.0000E+06</u>	10	2.0000E+05	1.00E+01	1.0000E+05	10.00	2.5783E-03	5.16E+01	5.1565E-03	515.65	51.5650	Risky
Indomethacin	<u>2.9000E+06</u>	<u>4.4000E+07</u>	<u>2.7000E+07</u>	100	2.9000E+04	4.40E+05	2.7000E+05	2.9000E+04	9.0448E-04	5.96E-05	9.7148E-05	26.23	9.0448E-04	Unlikely
Iohecol	<u>6.05E+11</u>	<u>1.4E+13</u>	<u>5.09E+12</u>	1000	6.0500E+08	1.40E+10	5.0900E+09	6.0500E+08	7.8858E-06	3.41E-07	9.3731E-07	4770.89	7.8858E-06	Unlikely
iomeprol	<u>3.20E+09</u>	<u>8.93E+10</u>	<u>1.44E+11</u>	1000	3.2000E+06	8.93E+07	1.4400E+08	3.2000E+06	1.3594E-03	4.87E-05	3.0208E-05	4350	1.3594E-03	Unlikely
iopamidol	<u>5.86E+10</u>	<u>6.87E+11</u>	<u>2.86E+11</u>	1000	5.8628E+07	6.87E+08	2.8600E+08	5.8628E+07	6.8824E-04	5.87E-05	1.4108E-04	40350	6.8824E-04	Unlikely
Iopromide	4.5810E+09	9.6200E+08	1.0000E+09	1000	4.5810E+06	9.62E+05	1.0000E+06	9.6200E+05	6.2762E-04	2.99E-03	2.8751E-03	2875.14	2.9887E-03	Unlikely
Iotalamic acid	4.97E+08	1.51E+09	8.16E+08	1000	4.9661E+05	1.51E+06	8.1625E+05	4.9661E+05	4.6314E-05	1.52E-05	2.8178E-05	23	4.6314E-05	Unlikely
Ioxaglic acid	5.71E+07	1.63E+09	1.41E+09	1000	5.7146E+04	1.63E+06	1.4132E+06	5.7146E+04	4.8997E-04	1.72E-05	1.9813E-05	28	4.8997E-04	Unlikely
Ioxithalamic acid	<u>1.88E+09</u>	<u>2.68E+10</u>	<u>3.28E+10</u>	1000	1.8800E+06	2.68E+07	3.2800E+07	1.8800E+06						
Irbesartan	7.20E+06	7.04E+06	8.64E+07	10	7.2000E+05	7.04E+05	8.6400E+06	7.0400E+05	6.6667E-06	6.82E-06	5.5556E-07	4.8	6.8182E-06	Unlikely
Josamycin	2.37E+06	1.17E+07	3.76E+06	1000	2.3740E+03	1.17E+04	3.7570E+03	2.3740E+03	4.8441E-01	9.83E-02	3.0610E-01	1150	4.8441E-01	Unlikely
Ketoprofen	<u>1.0400E+06</u>	1.5770E+05	2.3000E+06	100	1.0400E+04	1.58E+03	2.3000E+04	1.5770E+03	1.7785E-02	1.17E-01	8.0417E-03	184.96	1.1729E-01	Unlikely
Labetalol	<u>3.16E+06</u>	<u>3.37E+07</u>	<u>4.21E+06</u>	1000	3.1600E+03	3.37E+04	4.2130E+03	3.1600E+03						
Lamotrigine	<u>1.50E+07</u>	<u>1.26E+08</u>	<u>4.83E+06</u>	1000	1.5000E+04	1.26E+05	4.8300E+03	4.8300E+03	5.3333E-02	6.35E-03	1.6563E-01	800	1.6563E-01	Unlikely
Levamisol	<u>9.43E+05</u>	<u>1.06E+07</u>	<u>1.39E+06</u>	1000	9.4300E+02	1.06E+04	1.3900E+03	9.4300E+02	2.2800E-03	2.03E-04	1.5468E-03	2.15	2.2800E-03	Unlikely
Lidocaine	<u>7.71E+06</u>	<u>7.54E+07</u>	<u>8.64E+06</u>	1000	7.7130E+03	7.54E+04	8.6430E+03	7713.00	1.6569E-02	1.69E-03	1.4787E-02	127.8	0.0166	Unlikely
Lincomycin	<u>7.00E+04</u>	<u>1.00E+09</u>	<u>7.20E+06</u>	100	7.0000E+02	1.00E+07	7.2000E+04	7.0000E+02	2.6021E-01	1.82E-05	2.5299E-03	182.15	2.6021E-01	Unlikely
Linezolid	<u>6.26E+05</u>	<u>1.62E+08</u>	<u>1.39E+08</u>	1000	6.2600E+02	1.62E+05	1.3876E+05	6.2600E+02	1.4377E-03	5.57E-06	6.4860E-06	0.9	1.4377E-03	Unlikely
Loratadine	<u>6.20E+04</u>	<u>3.83E+04</u>	<u>1.00E+05</u>	100	6.2000E+02	3.83E+02	1.0000E+03	3.8288E+02	3.7952E-02	6.15E-02	2.3530E-02	23.53	6.1455E-02	Unlikely
Lorazepam	<u>5.82E+07</u>	<u>1.13E+08</u>	<u>6.69E+07</u>	1000	5.8239E+04	1.13E+05	6.6906E+04	5.8239E+04	7.9157E-03	4.06E-03	6.8903E-03	461	7.9157E-03	Unlikely
Losartan	<u>1.90E+06</u>	<u>2.15E+06</u>	<u>2.00E+06</u>	1000	1.8970E+03	2.15E+03	2.0010E+03	1.8970E+03	3.8192E-02	3.37E-02	3.6207E-02	72.45	3.8192E-02	Unlikely
Meclofenamic acid	<u>1.7000E+06</u>	<u>5.9700E+05</u>	<u>4.9100E+05</u>	1000	1.7000E+03	5.97E+02	4.9100E+02	491.00	4.4412E-01	1.26E+00	1.5377E+00	755	1.5377	Risky
mefenamic acid	<u>2.5000E+06</u>	<u>3.4000E+06</u>	<u>1.0000E+07</u>	100	2.5000E+04	3.40E+04	1.0000E+05	2.5000E+04	1.2357E-02	9.09E-03	3.0893E-03	308.93	1.2357E-02	Unlikely
Meloxicam	<u>1.84E+05</u>	<u>1.39E+06</u>	<u>3.93E+06</u>	1000	1.8400E+02	1.39E+03	3.9300E+03	1.8400E+02	1.1413E-02	1.51E-03	5.3435E-04	2.1	1.1413E-02	Unlikely
Meprobamate	<u>3.84E+08</u>	<u>1.47E+09</u>	<u>7.60E+08</u>	1000	3.8380E+05	1.47E+06	7.5979E+05	3.8380E+05	2.6055E-04	6.80E-05	1.3162E-04	100	2.6055E-04	Unlikely
Metformin	3.2000E+08	9.8200E+08	6.4000E+07	1000	3.2000E+05	9.82E+05	6.4000E+04	6.4000E+04	3.8084E-03	1.24E-03	1.9042E-02	1218.694167	1.9042E-02	Unlikely
Methotrexate	<u>2.03E+08</u>	<u>1.24E+11</u>	<u>3.49E+07</u>	1000	2.0280E+05	1.24E+08	3.4926E+04	34926.00	1.5286E-04	2.50E-07	8.8759E-04	31	0.0009	Unlikely
Metoprolol	7.3000E+06	1.0000E+03	3.2000E+06	100	7.3000E+04	1.00E+01	3.2000E+04	10.00	6.6762E-02	4.87E+02	1.5230E-01	4873.66	487.3660	Risky
Metronidazole	<u>1.25E+07</u>	<u>1.00E+09</u>	<u>1.00E+08</u>	50	2.5000E+05	2.00E+07	2.0000E+06	2.5000E+05	3.3872E-04	4.23E-06	4.2340E-05	84.68	3.3872E-04	Unlikely
N-acetylcysteine	<u>4.64E+07</u>	<u>4.07E+09</u>	<u>8.30E+07</u>	1000	4.6411E+04	4.07E+06	8.2984E+04	4.6411E+04	1.2713E-03	1.45E-05	7.1098E-04	59	1.2713E-03	Unlikely
Nadolol	<u>2.26E+07</u>	<u>2.09E+08</u>	<u>2.26E+07</u>	1000	2.2600E+04	2.09E+05	2.2600E+04	2.2600E+04	5.9735E-05	6.46E-06	5.9735E-05	1.35	5.9735E-05	Unlikely
Naladixic acid	<u>1.80E+09</u>	<u>4.42E+09</u>	<u>3.29E+09</u>	1000	1.8000E+06	4.42E+06	3.2900E+06	1.8000E+06	4.7222E-03	1.92E-03	2.5836E-03	8500	4.7222E-03	Unlikely
Naproxen	<u>4.0000E+07</u>	5.2000E+07	<u>8.2000E+07</u>	1000	4.0000E+04	5.20E+04	8.2000E+04	4.0000E+04	1.3276E-02	1.02E-02	6.4762E-03	531.05	1.3276E-02	Unlikely
Neomycin	3.0000E+04	3.0000E+04	3.0000E+04	10	3.0000E+03	3.00E+03	3.0000E+03	3.0000E+03	1.3333E-01	1.33E-01	1.3333E-01	400	1.3333E-01	Unlikely
Niflumic acid	<u>6.95E+06</u>	<u>1.07E+07</u>	<u>1.47E+06</u>	1000	6.9470E+03	1.07E+04	1.4710E+03	1.4710E+03	1.0364E-02	6.72E-03	4.8946E-02	72	4.8946E-02	Unlikely
Norfloxacin	<u>1.6000E+03</u>	<u>1.4000E+04</u>	<u>1.2000E+05</u>	10	1.6000E+02	1.40E+03	1.2000E+04	160.00	2.6136E+01	2.99E+00	3.4848E-01	4181.76	26.1360	Risky
Ofloxacin	5.0000E+04	1.6000E+07	3.1300E+06	100	5.0000E+02	1.60E+05	3.1300E+04	500.00	4.8098E-01	1.50E-03	7.6834E-03	240.49	0.4810	Unlikely
Olanzapine	<u>2.37E+06</u>	<u>2.18E+07</u>	<u>3.27E+06</u>	1000	2.3690E+03	2.18E+04	3.2670E+03	2.3690E+03	1.3698E-02	1.49E-03	9.9327E-03	32.45	1.3698E-02	Unlikely
Oxacillin	<u>1.66E+07</u>	<u>4.66E+08</u>	<u>2.94E+08</u>	1000	1.6599E+04	4.66E+05	2.9424E+05	1.6599E+04	8.0246E-03	2.86E-04	4.5269E-04	133.2	8.0246E-03	Unlikely
Oxazepam	<u>1.70E+06</u>	<u>5.04E+07</u>	<u>4.78E+07</u>	1000	1.6980E+03	5.04E+04	4.7787E+04	1.6980E+03	2.9152E-02	9.83E-04	1.0358E-03	49.5	2.9152E-02	Unlikely
Oxytetracycline	<u>3.10E+03</u>	<u>1.00E+09</u>	<u>3.08E+06</u>	10	3.1000E+02	1.00E+08	3.0800E+05	3.1000E+02						
Paromomycin	<u>2.32E+13</u>	<u>8.54E+13</u>	<u>3.61E+12</u>	1000	2.3200E+10	8.54E+10	3.6100E+09	3.6100E+09	4.7414E-08	1.29E-08	3.0471E-07	1100	3.0471E-07	Unlikely
Penicillin	<u>6.51E+10</u>	<u>2.05E+13</u>	<u>1.32E+11</u>	1000	6.5107E+07	2.05E+10	1.3200E+08	6.5107E+07	5.6338E-07	1.79E-09	2.7788E-07	36.68	5.6338E-07	Unlikely
Phenazone	1.31E+06	2.32E+06	3.47E+06	1000	1.3100E+03	2.32E+03	3.4700E+03	1.3100E+03	2.2519E-03	1.27E-03	8.5014E-04	2.95	2.2519E-03	Unlikely
Phenylbutazone	<u>2.62E+05</u>	<u>8.43E+05</u>	<u>2.62E+06</u>	1000	2.6200E+02	8.43E+02	2.6230E+03	2.6200E+02	2.2393E-01	6.96E-02	2.2368E-02	58.67	2.2393E-01	Unlikely
Pipemidic acid	<u>2.36E+10</u>	<u>1.58E+11</u>	<u>1.22E+10</u>	1000	2.3644E+07	1.58E+08	1.2227E+07	1.2227E+07	1.2625E-06	1.89E-07	2.4412E-06	29.85	2.4412E-06	Unlikely
Primidone	<u>1.27E+07</u>	<u>5.31E+08</u>	<u>1.05E+09</u>	1000	1.2692E+04	5.31E+05	1.0520E+06	1.2692E+04	7.8416E-02	1.87E-03	9.4602E-04	995.25	7.8416E-02	Unlikely
Pravastatin	<u>8.55E+07</u>	<u>1.29E+08</u>	<u>2.39E+08</u>	1000	8.5494E+04	1.29E+05	2.3910E+05	8.5494E+04	8.8076E-04	5.82E-04	3.1493E-04	75.3	8.8076E-04	Unlikely
Propranolol	<u>1.00E+05</u>	<u>1.00E+06</u>	<u>4.00E+03</u>	10	1.0000E+04	1.00E+05	4.0000E+02	4.0000E+02	1.4410E-03	1.44E-04	3.6025E-02	14.41	3.6025E-02	Unlikely
Ranitidine	<u>9.53E+07</u>	<u>2.46E+02</u>	<u>3.10E+05</u>	50	1.9058E+06	4.92E+00	6.2000E+03	4.92	2.1326E-04	8.26E+01	6.5553E-02	406.43	82.6077	Risky
Rifaximin	<u>1.92E+06</u>	<u>1.07E+06</u>	<u>8.07E+05</u>	1000	1.9160E+03	1.07E+03	8.0700E+02	8.0700E+02	1.8189E-01	3.24E-01	4.3185E-01	348.5	4.3185E-01	Unlikely
Roxithromycin	<u>1.00E+04</u>	1.00E+08	<u>6.72E+06</u>	100	1.0000E+02	1.00E+06	6.7170E+04	100.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Salicylic Acid	<u>3.4530E+06</u>	3.7000E+07	1.0000E+07	50	6.9060E+04	7.40E+05	2.0000E+05	6.9060E+04	1.8638E-02	1.74E-03	6.4357E-03	1287.13	1.8638E-02	Unlikely

Sarafloxacin	1.5000E+03	<u>3.02E+09</u>	1.1000E+06	100	1.5000E+01	3.02E+07	1.1000E+04	15.00	1.2051E+02	5.99E-05	1.6433E-01	1807.67	120.5113	Risky
Sertraline	<u>1.21E+04</u>	<u>4.08E+05</u>	<u>7.10E+04</u>	1000	1.2100E+01	4.08E+02	7.1000E+01	1.2100E+01	1.1983E-01	3.55E-03	2.0423E-02	1.45	1.1983E-01	Unlikely
Sildenafil	2.91E+06	5.80E+06	7.17E+06	1000	2.9100E+03	5.80E+03	7.1660E+03	2910.00						
Sisomycin	<u>6.02E+10</u>	<u>2.48E+08</u>	<u>2.08E+10</u>	1000	6.0183E+07	2.48E+05	2.0806E+07	2.4809E+05	6.6464E-06	1.61E-03	1.9226E-05	400	1.6123E-03	Unlikely
Sotalol	<u>2.64E+07</u>	<u>6.17E+08</u>	<u>6.08E+07</u>	1000	2.6386E+04	6.17E+05	6.0809E+04	2.6386E+04	6.7346E-04	2.88E-05	2.9223E-04	17.77	6.7346E-04	Unlikely
Spiramycin	5.00E+03	<u>5.61E+07</u>	<u>9.65E+07</u>	1000	5.0000E+00	<u>5.61E+04</u>	<u>9.6469E+04</u>	5.00	0.0000E+00	0.00E+00	0.0000E+00	0	0.0000	Unlikely
Streptomycin	<u>5.00E+04</u>	<u>3.25E+12</u>	<u>5.60E+06</u>	50	1.0000E+03	6.50E+10	1.1200E+05	1000.00	2.0500E+00	3.15E-08	1.8304E-02	2050	2.0500	Risky
Sulfacetamide	<u>1.02E+07</u>	<u>1.99E+09</u>	<u>1.62E+06</u>	1000	1.0159E+04	1.99E+06	1.6220E+03	1.6220E+03	1.5750E-01	8.04E-04	9.8644E-01	1600	9.8644E-01	Unlikely
Sulfadiazine	1.35E+05	1.36E+09	<u>1.88E+06</u>	1000	1.3500E+02	1.36E+06	1.8800E+03	1.3500E+02	6.2963E-02	6.25E-06	4.5213E-03	8.5	6.2963E-02	Unlikely
Sulfamer	<u>3.55E+09</u>	<u>3.45E+10</u>	<u>1.13E+10</u>	1000	3.5537E+06	3.45E+07	1.1292E+07	3.5537E+06	1.8291E-05	1.88E-06	5.7564E-06	65	1.8291E-05	Unlikely
Sulfamerazine	1.19E+07	1.00E+08	2.77E+08	1000	1.1900E+04	1.00E+05	2.7700E+05	1.1900E+04	3.7815E-01	4.50E-02	1.6245E-02	4500	3.7815E-01	Unlikely
Sulfamethazine	1.00E+06	5.00E+08	5.00E+07	50	2.0000E+04	1.00E+07	1.0000E+06	2.0000E+04	4.5075E-02	9.02E-05	9.0150E-04	901.5	4.5075E-02	Unlikely
Sulfamethoxazole	<u>6.0000E+03</u>	1.6000E+04	1.2000E+05	50	1.2000E+02	3.20E+02	2.4000E+03	120.00	1.7776E+00	6.67E-01	8.8879E-02	213.31	1.7776	Risky
Sulfamethizole	2.49E+07	<u>4.92E+08</u>	<u>2.00E+06</u>	1000	2.4940E+04	4.92E+05	2.0010E+03	2001.00	3.2227E-02	1.63E-03	4.0167E-01	803.75	0.4017	Unlikely
Sulfamethoxypyridazine	<u>3.82E+06</u>	<u>7.19E+08</u>	<u>2.09E+06</u>	1000	3.8200E+03	7.19E+05	2.0850E+03	2.0850E+03	1.3089E-03	6.95E-06	2.3981E-03	5	2.3981E-03	Unlikely
Sulfamoxole	<u>5.17E+06</u>	<u>1.08E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.08E+05	1.9520E+03	1.9520E+03	1.0634E-01	5.08E-03	2.8176E-01	550	2.8176E-01	Unlikely
Sulfaphenazole	<u>4.59E+06</u>	<u>1.77E+07</u>	<u>2.28E+06</u>	1000	4.5910E+03	1.77E+04	2.2760E+03	2.2760E+03	1.7425E-01	4.52E-02	3.5149E-01	800	3.5149E-01	Unlikely
Sulfapyridine	5.28E+06	<u>3.78E+08</u>	<u>1.84E+06</u>	1000	5.2800E+03	3.78E+05	1.8410E+03	1.8410E+03	5.6818E-02	7.95E-04	1.6295E-01	300	1.6295E-01	Unlikely
Sulfathiazole	1.3100E+07	5.0000E+08	2.2000E+06	100	1.3100E+05	5.00E+06	2.2000E+04	2.2000E+04	1.0442E-02	2.74E-04	6.2178E-02	1367.92	6.2178E-02	Unlikely
Sulfisoxazole	<u>1.90E+07</u>	<u>1.80E+08</u>	<u>1.95E+06</u>	1000	1.8980E+04	1.80E+05	1.9510E+03	1.9510E+03	2.1075E-02	2.22E-03	2.0502E-01	400	2.0502E-01	Unlikely
Tamsulosin	<u>1.97E+06</u>	<u>3.87E+07</u>	<u>4.87E+06</u>	1000	1.9670E+03	3.87E+04	4.8710E+03	1.9670E+03	1.0676E-03	5.43E-05	4.3112E-04	2.1	1.0676E-03	Unlikely
Tenoxicam	<u>3.25E+05</u>	<u>5.39E+06</u>	<u>8.20E+05</u>	1000	3.2500E+02	5.39E+03	8.2000E+02	3.2500E+02	6.4615E-03	3.90E-04	2.5610E-03	2.1	6.4615E-03	Unlikely
Terbutalin	<u>1.33E+07</u>	<u>3.07E+07</u>	<u>2.05E+06</u>	1000	1.3320E+04	3.07E+04	2.0500E+03	2.0500E+03						
Tetracycline	5.00E+04	5.00E+02	1.00E+04	10	5.0000E+03	5.00E+01	1.0000E+03	50.00	1.6325E-01	1.63E+01	8.1627E-01	816.27	16.3254	Risky
Theophylline	<u>1.40E+04</u>	<u>2.34E+08</u>	<u>1.78E+07</u>	1000	1.4000E+01	2.34E+05	1.7796E+04	14.00	2.8571E+00	1.71E-04	2.2477E-03	40	2.8571	Risky
Thiabendazole	<u>9.79E+05</u>	<u>1.09E+07</u>	<u>1.32E+07</u>	1000	9.7900E+02	1.09E+04	1.3200E+04	9.7900E+02	6.0266E-03	5.41E-04	4.4697E-04	5.9	6.0266E-03	Unlikely
Thiamphenicol	<u>1.98E+08</u>	<u>2.11E+08</u>	<u>2.86E+08</u>	100	1.9800E+06	2.11E+06	2.8610E+06	1.9800E+06	2.6778E-05	2.51E-05	1.8532E-05	53.02	2.6778E-05	Unlikely
Timolol	<u>8.97E+06</u>	<u>8.87E+07</u>	<u>1.03E+07</u>	1000	8.9720E+03	8.87E+04	1.0267E+04	8.9720E+03	3.3437E-05	3.38E-06	2.9220E-05	0.3	3.3437E-05	Unlikely
Tramadol	1.82E+07	2.67E+07	1.66E+07	1000	1.8235E+04	2.67E+04	1.6634E+04	1.6634E+04	1.2783E-02	8.74E-03	1.4013E-02	233.1	1.4013E-02	Unlikely
Trazodone	<u>9.78E+05</u>	<u>1.14E+07</u>	<u>1.57E+06</u>	1000	9.7800E+02	1.14E+04	1.5700E+03	9.7800E+02	1.1247E-03	9.65E-05	7.0064E-04	1.1	1.1247E-03	Unlikely
Trimethoprim	1.6000E+07	1.5700E+05	3.1200E+06	10	1.6000E+06	1.57E+04	3.1200E+05	1.5700E+04	2.1770E-04	2.22E-02	1.1164E-03	348.32	2.2186E-02	Unlikely
Valsartan	<u>3.87E+06</u>	<u>4.43E+07</u>	<u>8.61E+07</u>	1000	3.8650E+03	4.43E+04	8.6094E+04	3.8650E+03	4.5984E-02	4.01E-03	2.0644E-03	177.73	4.5984E-02	Unlikely
Venlafaxine	<u>2.66E+08</u>	<u>3.0500E+02</u>	<u>1.4128E+08</u>	50	5.3127E+06	6.10E+00	2.8256E+06	6.10	6.5699E-05	5.72E+01	1.2353E-04	349.04	57.2197	Risky
Xylazine	<u>1.38E+06</u>	<u>9.97E+05</u>	<u>7.14E+05</u>	1000	1.3800E+03	9.97E+02	7.1400E+02	7.1400E+02	2.7536E-03	3.81E-03	5.3221E-03	3.8	5.3221E-03	Unlikely

*AF

Condition

1000	if at least one short term E/LC50 was applied for algae, fish and
100	if when one long-term assay was applied for either one of the
50	if two long-term assays were available for two different trophic
10	if three long-term assays were available for the three different

Compound	ADI (microg/Kg bw/d)	Reference
17β estradiol	0.05	(Williams & Brooks, 2012)
Acebutolol	5.714285714	
Acetaminophen	340	(Schwab et al., 2005)
Acetylsalicylic acid (Aspirin)	7	(Williams & Brooks, 2012)
Albendazole	25.4	(Williams & Brooks, 2012)
Albuterol	2.8	(Williams & Brooks, 2012)
Alprazolam	0.04	(Martinez-Morcillo et al., 2020)
Amikacin (Kanamycin B)	8	(EMA, 1999a)
Amitriptyline	0.428571429	
Amlodipine	0.08	(de Aquino et al. 2021)
Amoxicillin	21.4	(Williams & Brooks, 2012)
Ampicillin	3	(Sengar & Vijayanandan, 2022)
Atenolol	2.7	(Williams & Brooks, 2012)
Atorvastatin	0.53	(Williams & Brooks, 2012)
Azithromycin	1.7	(Leung et al, 2013)
Bezafibrate	2.9	(Prosser & Sibley, 2015)
Bisoprolol	0.018	(EPHC, 2008)
Carazolol	0.1	(Webb et al., 2012)
Carbadox	4.25	
Carbamazepine	0.34	(Williams & Brooks, 2012)
Cefixime	2.857142857	
Cephalexin	54.4	(EMA, 1999b)
Cetirizine	0.071	(Sengar & Vijayanandan, 2022)
Chloramphenicol	11	(Prosser & Sibley, 2015)
Cimetidine	28.6	(Williams & Brooks, 2012)
Ciprofloxacin	1.6	(Williams & Brooks, 2012)
Citalopram	0.114	(Martinez-Morcillo et al., 2020)
Clarithromycin	0.2	(Leung et al, 2013)
Clavulanic acid	90	(Williams & Brooks, 2012)
Clofibrate (clofibric acid)	21.4	(EPHC, 2008)
Clopidogrel	1.071428571	
Clotrimazole	1.428571429	
Codeine	2	(Williams & Brooks, 2012)
Danofloxacin	600	(Zhu et al., 2020)
Dapsone	3.5	(EMA, 2012)
Diatrizoic acid	0.89	
Diazepam	0.16	(Williams & Brooks, 2012)
Diclofenac	1.6	(Williams & Brooks, 2012)
Dilantin (Phenytoin)	0.083	(Williams & Brooks, 2012)
Diltiazem	14	(Leung et al, 2013)
Dimetridazole	0.006	(Leung et al, 2013)
Diphenhydramine	0.4	(Prosser & Sibley, 2015)
Doxycycline	30	(Williams & Brooks, 2012)
Enrofloxacin	6.2	(Sengar & Vijayanandan, 2022)
Erythromycin	40	(Williams & Brooks, 2012)
Estriol	0.0014	(EPHC, 2008)
Estrone	8.60E-04	(EPHC, 2008)
Ethinylestradiol	0.167	(Webb et al., 2012)
Etoricoxib	0.428571429	
Famotidine	0.571428571	
Fenofibrate (Fenobibric acid)	2.857142857	(Williams & Brooks, 2012)
Fexofenadine	1.714285714	
Florfenicol	3	(Zhu et al., 2020)
Flumequine	8.25	(EMA, 1999c)
Flunixin	0.72	(Prosser & Sibley, 2015)
Fluoxetine	1	(Williams & Brooks, 2012)
Furosemide	2.5	(EMA, 1999d)
Gabapentin	4.285714286	
Gemfibrozil	0.56	(Williams & Brooks, 2012)
Gentamicin	10	(Prosser & Sibley, 2015)

Not found, calculated
Not found/not calculated

Compound	LTD (mg/day)	ADI (microg/Kg bw/d)	LD50 (mg/kg)	NOEL (mg/kg)	Source
Acebutolol	400	5.714285714			
Amitriptyline	30	0.428571429			
Carbadox	NA	4.25	850	0.425	Pubchem
Cefiximine	200	2.857142857			
Clopidogrel	75	1.071428571			
Clotrimazole	100	1.428571429			
Diatrizoic acid	NA	0.89	8900	4.45	Pubchem
Etoricoxib	30	0.428571429			
Famotidine	40	0.571428571			
Fenofibrate (Fenobibric acid)	200	2.857142857			
Fexofenadine	120	1.714285714			
Gabapentin	300	4.285714286			
Glimepiride	1	0.014285714			
Hydrocortisone	20	0.285714286			
Iotalamic acid	NA	NA			Pubchem
Ioxaglic acid	NA	66.5	13300	6.65	
Ioxithalamic acid	NA	NA			
Irbesartan	150	2.142857143			
Labetalol	200	2.857142857			
Lidocaine	200	2.857142857			
Lorazepam	1	0.014285714			
Meclofenamic acid	200	2.857142857			
Methotrexate	10	0.142857143			Pubchem
N-acetylcysteine	NA	25.25	5050	2.525	
Niflumic acid	1000	14.28571429			
Oxacillin	1500	21.42857143			
Oxazepam	30	0.428571429			
Phenylbutazone	600	8.571428571			
Pipemidic acid	800	11.42857143			
Pravastatin	10	0.142857143			
Sertraline	25	0.357142857			
Sisomyacin	200	2.857142857			
Sulfacetamide	NA	82.5	16500	8.25	Pubchem
Sulfameter (Sulfametoxydiazine)	NA	0.31	3100	1.55	Pubchem
Sulfamoxole	NA	76	15200	7.6	Pubchem
Sulfaphenazole	NA	15.08	3016	1.508	Pubchem
Tamsulosin	400	5.714285714			
Tenoxicam	20	0.285714286			
Tramadol	300	4.285714286			
Trazodone	75	1.071428571			
Valsartan	80	1.142857143			
Reference:	(Sweetman, 2009)				
Ceftriaxone					
cyclophosphamid					new(needed ADI and LTD)

Glibenclamide	0.0214	(Sengar & Vijayanandan, 2022)
Glimepiride	0.014285714	
Hydrochlorothiazide	6	(Williams & Brooks, 2012)
Hydrocortisone	0.285714286	
Ibuprofen	110	(Williams & Brooks, 2012)
Indomethacin	0.71	(EPHC, 2008)
Iohexol	20.6	(EPHC, 2008)
iomprol	1.9	(Schriks et al., 2010)
iopamidol	11.4	(EPHC, 2008)
Iopromide	21.4	(EPHC, 2008)
Iotalamic acid		
Ioxaglic acid	66.5	
Ioxithalamic acid		
Irbesartan	2.142857143	
Josamycin	2	(EMA, 1998)
Ketoprofen	5	(Sengar & Vijayanandan, 2022)
Labetalol	2.857142857	
Lamotrigine	11.9	(Williams & Brooks, 2012)
Levamisol	6	(FAO, 2003)
Lidocaine	2.857142857	
Lincomycin	25	(Williams & Brooks, 2012)
Linezolid	11.428	(Sengar & Vijayanandan, 2022)
Loratadine	0.17	(de Aquino et al. 2021)
Lorazepam	0.014285714	
Losartan	0.42	(de Aquino et al. 2021)
Meclofenamic acid	2.857142857	
mefenamic acid	47.62	(Sengar & Vijayanandan, 2022)
Meloxicam	1.25	(EMA, 1999e)
Meprobamate	6.1	(Williams & Brooks, 2012)
Metformin	79.4	(Williams & Brooks, 2012)
Methotrexate	0.142857143	
Metoprolol	14	(Williams & Brooks, 2012)
Metronidazole	0.6	(Leung et al, 2013)
N-acetylcysteine	25.25	
Nadolol	0.57	(EPHC, 2008)
Naladixic acid	500	(Jiang et al., 2019)
Naproxen	46	(Williams & Brooks, 2012)
Neomycin	60	(Australian Pesticides and Veterinary Medicines Authority, 2022)
Niflumic acid	14.28571429	
Norfloxacin	190	(Williams & Brooks, 2012)
Ofloxacin	4.5	(EMA, 1999f)
Olanzapine	1.4	(Williams & Brooks, 2012)
Oxacillin	21.42857143	
Oxazepam	0.428571429	
Oxytetracycline	30	(Williams & Brooks, 2012)
Paromomycin	25	(EMA, 2021)
Penicillin	6	(Zhu et al., 2020)
Phenazon	36	(Williams & Brooks, 2012)
Phenylbutazone	8.571	
Pipemidic acid	11.42857143	
Primidone	0.7	(Prosser & Sibley, 2015)
Pravastatin	0.142857143	
Propranolol	56	(de Jesus Gaffney et al., 2015)
Ranitidine	10.7	(Williams & Brooks, 2012)
Rifaximin	250	(EMA, 1997)
Roxithromycin	0.4	(Zhu et al., 2020)
Salicylic Acid	26	(Leung et al, 2013)
Sarafloxacin	0.4	(Zhu et al., 2020)
Sertraline	0.357142857	
Sildenafil	0.3	(Prosser & Sibley, 2015)
Sisomycin	2.857142857	

Sotalol	1.14	(Williams & Brooks, 2012)
Spiramycin	750	(Australian Pesticides and Veterinary Medicines Authority, 2022)
Streptomycin	10	(Prosser & Sibley, 2015)
Sulfacetamide	82.5	
Sulfadiazine	20	(Zhu et al., 2020)
Sulfameter	0.31	
Sulfamerazine	50	(Jiang et al., 2019)
Sulfamethazine	9.5	(Semerjian et al., 2018)
Sulfamethoxazole	130	(Williams & Brooks, 2012)
Sulfamethizole	5	(Jiang et al., 2019)
Sulfamethoxypyridazine	5	(Jiang et al., 2019)
Sulfamoxole	76	
Sulfaphenazole	15.08	
Sulfapyridine	4.8	(Semerjian et al., 2018)
Sulfathiazole	50	(Williams & Brooks, 2012)
Sulfisoxazole	667	(Jiang et al., 2019)
Tamsulosin	5.714285714	
Tenoxicam	0.285714286	
Terbutalin	0.13	(EPHC, 2008)
Tetracycline	30	(Williams & Brooks, 2012)
Theophylline	4.285	(Sengar & Vijayanandan, 2022)
Thiabendazole	100	(FAO, 2003)
Thiamphenicol	2.5	(Zhu et al., 2020)
Timolol	0.28	(EPHC, 2008)
Tramadol	4.285714286	
Trazodone	1.071428571	
Trimethoprim	4.2	(Williams & Brooks, 2012)
Valsartan	1.142857143	
Venlafaxine	0.535	(Martinez-Morcillo et al., 2020)
Xylazine	0.17	(EMA, 1999g)



	not in SW ADI not found	Drinking Water Acceptable		Chemspider EPI suite	Consumption of fish Acceptable concentration		Combined (DW+F) Acceptable concentration		Maximum MEC	Human Health Risk (7 not found)											
Compound(150)	ADI (mcg/Kg bw/d)	Children	Adult	BCF (L/kg)	Children	Adult	Children	Adult	ng/l	Drinking water			Fish				Combined				
										Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome
17β estradiol	0.05	730	3650	205.5	546.509452	1014.94612	312.533448	652.22247	900000	1232.87671	risk	246.575342	risk	1646.81507	risk	886.746575	risk	2879.69178	risk	1379.89726	risk
Acebutolol	5.714	83424.4	417122	0.9007	14249498.3	26463353.9	82938.8305	206930.158													
Acetaminophen	340	4964000	24820000	3.162	241521919	448540707	4864029.6	12075890.3	98300	0.01980258	no risk	0.00396052	no risk	0.000407	no risk	0.00021916	no risk	0.02020958	no risk	0.00814019	no risk
Acetylsalicylic acid (Aspirin)	7	102200	511000	3.162	4972510.1	9234661.61	100141.786	248621.271	190	0.0018591	no risk	0.00037182	no risk	3.821E-05	no risk	2.0575E-05	no risk	0.00189731	no risk	0.00076421	no risk
Albendazole	25.4	370840	1854200	49.27	1157952.26	2150482.76	280885.132	647817.694	35.2	9.492E-05	no risk	1.8984E-05	no risk	3.0398E-05	no risk	1.6368E-05	no risk	0.00012532	no risk	5.4336E-05	no risk
Albuterol	2.8	40880	204400	3.162	1989004.04	3693864.64	40056.7143	99448.5084	0.2	4.8924E-06	no risk	9.7847E-07	no risk	1.0055E-07	no risk	5.4144E-08	no risk	4.9929E-06	no risk	2.0111E-06	no risk
Alprazolam	0.04	584	2920	11.64	7718.74174	14334.8061	542.922485	1325.04424	389.4	0.66678082	unknown	0.13335616	no risk	0.05044864	no risk	0.02716465	no risk	0.71722946	unknown	0.29387698	unknown
Amikacin (Kanamycin B)	8	116800	584000	3.162	5682868.68	10553899	114447.755	284138.595	1500	0.01284247	no risk	0.00256849	no risk	0.00026395	no risk	0.00014213	no risk	0.01310642	no risk	0.00527911	no risk
Amitriptyline	0.429	6263.4	31317	818.9	1176.70045	2185.30084	990.597594	1917.67065	27.8	0.00443848	no risk	0.0008877	no risk	0.02362538	no risk	0.01272136	no risk	0.02806387	no risk	0.01449675	no risk
Amlodipine	0.08	1168	5840	44.3	4056.25977	7533.05385	906.867503	2104.31493	3.5	0.00299658	no risk	0.00059932	no risk	0.00086286	no risk	0.00046462	no risk	0.00385944	no risk	0.00166325	no risk
Amoxicillin	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	250	0.00080015	no risk	0.00016003	no risk	1.6446E-05	no risk	8.8553E-06	no risk	0.0008166	no risk	0.00032892	no risk
Ampicillin	3	43800	219000	3.162	2131075.76	3957712.12	42917.9082	106551.973	30.04	0.00068584	no risk	0.00013717	no risk	1.4096E-05	no risk	7.5902E-06	no risk	0.00069994	no risk	0.00028193	no risk
Atenolol	2.7	39420	197100	3.162	1917968.18	3561940.91	38626.1174	95896.776	3900	0.09893455	no risk	0.01978691	no risk	0.0020334	no risk	0.00109491	no risk	0.10096795	no risk	0.04066873	no risk
Atorvastatin	0.53	7738	38690	56.23	21171.2883	39318.1068	5666.80947	12965.7091	474.7	0.0613466	no risk	0.01226932	no risk	0.02242188	no risk	0.01207332	no risk	0.08376848	no risk	0.03661196	no risk
Azithromycin	1.7	24820	124100	208.6	18305.1847	33995.3431	10535.2519	21962.6582	377.7	0.01521757	no risk	0.00304351	no risk	0.0206335	no risk	0.01111035	no risk	0.03585106	no risk	0.01719737	no risk
Bezafibrate	2.9	42340	211700	3.162	2060039.9	3825788.38	41487.3113	103000.241	1620.6	0.03827586	no risk	0.00765517	no risk	0.00078668	no risk	0.0004236	no risk	0.03906255	no risk	0.01573394	no risk
Bisoprolol	0.018	262.8	1314	4.418	9151.37375	16995.4084	255.463845	632.547303	86	0.32724505	unknown	0.06544901	no risk	0.0093975	no risk	0.00506019	no risk	0.33664255	unknown	0.13595821	no risk
Carazolol	0.1	1460	7300	60.27	3726.81906	6921.23539	1049.03521	2389.74048	3	0.00205479	no risk	0.00041096	no risk	0.00080498	no risk	0.00043345	no risk	0.00285977	no risk	0.00125537	no risk
Carbadox	4.25	62050	310250	3.162	3019023.99	5606758.83	60800.37	150948.629	12	0.00019339	no risk	3.8678E-05	no risk	3.9748E-06	no risk	2.1403E-06	no risk	0.00019737	no risk	7.9497E-05	no risk
Carbamazepine	0.34	4964	24820	19.21	39754.9353	73830.5942	4412.974	10624.2041	3353	0.67546334	unknown	0.13509267	no risk	0.08434173	no risk	0.04541478	no risk	0.75980507	unknown	0.31560011	unknown
Cefixime	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	146	0.00350018	no risk	0.00070004	no risk	7.1939E-05	no risk	3.8736E-05	no risk	0.00357211	no risk	0.00143881	no risk
Cephalexin	54.4	794240	3971200	3.162	38643507	71766513.1	778244.736	1932142.45	184	0.00023167	no risk	4.6334E-05	no risk	4.7615E-06	no risk	2.5639E-06	no risk	0.00023643	no risk	9.5231E-05	no risk
Cetirizine	0.071	1036.6	5183	3.162	50435.4595	93665.8534	1015.72383	2521.73003	598	0.57688597	unknown	0.11537719	no risk	0.01185674	no risk	0.0063844	no risk	0.58874271	unknown	0.23713879	unknown
Chloramphenicol	11	160600	803000	1.457	16957922	31493283.7	159093.307	396445.811	15600	0.09713574	no risk	0.01942715	no risk	0.00091992	no risk	0.00049534	no risk	0.09805567	no risk	0.03934964	no risk
Cimetidine	28.6	417560	2087800	3.162	20316255.5	37730188.8	409150.725	1015795.48	900	0.00215538	no risk	0.00043108	no risk	4.43E-05	no risk	2.3854E-05	no risk	0.00219968	no risk	0.00088601	no risk
Ciprofloxacin	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	2697.2	0.11546233	no risk	0.02309247	no risk	0.0023731	no risk	0.00127782	no risk	0.11783543	no risk	0.04746275	no risk
Citalopram	0.114	1664.4	8322	3.162	80980.8787	150393.06	1630.88051	4048.97498	15.3	0.0091925	no risk	0.0018385	no risk	0.00018893	no risk	0.00010173	no risk	0.00938144	no risk	0.00377873	no risk
Clarithromycin	0.2	2920	14600	56.49	7952.39457	14768.7328	2135.77533	4885.27141	677	0.23184932	unknown	0.04636986	no risk	0.08513159	no risk	0.04584009	no risk	0.31698091	unknown	0.13857981	no risk
Clavulanic acid	90	1314000	6570000	3.162	63932272.7	118731364	1287537.25	3196559.2	44783	0.03408143	no risk	0.00681629	no risk	0.00070048	no risk	0.00037718	no risk	0.03478191	no risk	0.01400975	no risk
Clofibrate (clofibric acid)	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	88	0.00028165	no risk	5.6331E-05	no risk	5.7888E-06	no risk	3.1171E-06	no risk	0.00028744	no risk	0.00011578	no risk
Clopidogrel	1.071	15636.6	78183	154.2	15600.7183	28972.7626	7809.31928	16639.9915	3.9	0.00024941	no risk	4.9883E-05	no risk	0.00024999	no risk	0.00013461	no risk	0.0004994	no risk	0.00023438	no risk
Clotrimazole	1.429	20863.4	104317	6297	509.727465	946.63672	497.570981	929.76225	23	0.00110241	no risk	0.00022048	no risk	0.04512215	no risk	0.02429654	no risk	0.04622456	no risk	0.02473751	no risk
Codeine	2	29200	146000	2.832	1586266.84	2945924.13	28672.2021	71234.8016	495	0.01695205	no risk	0.00339041	no risk	0.00031205	no risk	0.00016803	no risk	0.01726411	no risk	0.00694885	no risk
Danofloxacin	600	8760000	43800000	1	1347692308	2502857143	8703427.72	21710037.2	97	1.1073E-05	no risk	2.2146E-06	no risk	7.1975E-08	no risk	3.8756E-08	no risk	1.1145E-05	no risk	4.468E-06	no risk
Dapsone	3.5	51100	255500	3.162	2486255.05	4617330.8	50070.8929	124310.635	2800	0.05479452	no risk	0.0109589	no risk	0.00112619	no risk	0.00060641	no risk	0.05592071	no risk	0.02252422	no risk
Diazepam	0.89	12994	64970	3.162	632219.141	1174121.26	12732.3128	31610.4187	850	0.06541481	no risk	0.01308296	no risk	0.00134447	no risk	0.00072395	no risk	0.06675928	no risk	0.02688987	no risk
Diazepam	0.16	2336	11680	33.7	10664.2319	19805.0021	1916.24626	4510.08785	13	0.00556507	no risk	0.00111301	no risk	0.00121903	no risk	0.0006564	no risk	0.0067841	no risk	0.00288243	no risk
Diclofenac	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	10221.1	0.43754709	unknown	0.08750942	no risk	0.00899291	no risk	0.00484233	no risk	0.44653999	unknown	0.17986117	no risk
Dilantin (Phenytoin)	0.083	1211.8	6059	15.92	11710.4755	21748.0258	1098.16218	2659.08891	180	0.14853936	no risk	0.02970787	no risk	0.01537085	no risk	0.00827661	no risk	0.16391022	no risk	0.06769236	no risk
Diltiazem	14	204400	1022000	28.08	1119877.27	2079772.08	172851.199	410211.126	96.7	0.00047309	no risk	9.4618E-05	no risk	8.6349E-05	no risk	4.6495E-05	no risk	0.00055944	no risk	0.00023573	no risk
Dimetridazole	0.006	87.6	438	3.162	4262.15151	7915.42423	85.8358165	213.103947	183.4	2.09360731	risk	0.41872146	unknown	0.04302991	no risk	0.02316995	no risk	2.13663722	risk	0.86061287	unknown
Diphenhydramine	0.4	5840	29200	66.76	13458.0818	24993.5804	4072.69481	9216.29896	1300	0.22260274	unknown	0.04452055	no risk	0.09659623	no risk	0.05201336	no risk	0.31919897	unknown	0.14105445	no risk
Doxycycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	29	6.621E-05	no risk	1.3242E-05	no risk	1.3608E-06	no risk	7.3275E-07	no risk	6.7571E-05	no risk	2.7217E-05	no risk
Enrofloxacin	6.2	90520	452600	3.162	4404223.23	8179271.71	88697.0103	220207.411	4												

Gabapentin	4.286	62575.6	312878	3.162	3044596.9	5654251.38	61315.3849	152227.252	6060	0.09684286	no risk	0.01936857	no risk	0.00199041	no risk	0.00107176	no risk	0.09883327	no risk	0.0398089	no risk	
Gemfibrozil	0.56	8176	40880	3.162	397800.808	738772.929	8011.34287	19889.7017	3300	0.40362035	unknown	0.08072407	no risk	0.00829561	no risk	0.00446687	no risk	0.41191596	unknown	0.16591501	no risk	
Gentamicin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	1400	0.00958904	no risk	0.00191781	no risk	0.00019708	no risk	0.00010612	no risk	0.00978612	no risk	0.00394174	no risk	
Glibenclamide	0.0214	312.44	1562.2	973.8	49.3609492	91.6703342	42.6265741	82.0418559	14.3	0.04576879	no risk	0.00915376	no risk	0.28970269	unknown	0.15599376	no risk	0.33547148	unknown	0.17430127	no risk	
Glimepiride	0.014	204.4	1022	828.8	37.9417879	70.4633205	32.001503	61.924382	32000	156.555773	risk	31.3111546	risk	843.39726	risk	454.136986	risk	999.953033	risk	516.759295	risk	
Hydrochlorothiazide	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	2100	0.0239726	no risk	0.00479452	no risk	0.00049271	no risk	0.0002653	no risk	0.02446531	no risk	0.00985435	no risk	
Hydrocortisone	0.287	4190.2	20951	5.361	120247.371	223316.545	4049.10293	10006.1252	64	0.01527373	no risk	0.00305475	no risk	0.00053224	no risk	0.00028659	no risk	0.01580597	no risk	0.00639608	no risk	
Ibuprofen	110	1606000	8030000	3.162	78139444.4	145116111	1573656.64	3906905.69	2407	0.00149875	no risk	0.00029975	no risk	3.0804E-05	no risk	1.6587E-05	no risk	0.00152956	no risk	0.00061609	no risk	
Indomethacin	0.71	10366	51830	26.26	60729.9783	112784.245	8854.60711	21072.9605	41	0.00395524	no risk	0.00079105	no risk	0.00067512	no risk	0.00036353	no risk	0.00463036	no risk	0.00194562	no risk	
Iohexol	20.6	300760	1503800	3.162	14633386.9	27176289.9	294702.97	731656.883	39000	0.1296715	no risk	0.0259343	no risk	0.00266514	no risk	0.00143507	no risk	0.13233664	no risk	0.05330367	no risk	
Iopropol	1.9	27740	138700	3.162	1349681.31	2506551.01	27181.3419	67482.9164	8200	0.29560202	unknown	0.0591204	no risk	0.00607551	no risk	0.00327143	no risk	0.30167753	unknown	0.12151224	no risk	
Iopamidol	11.4	166440	832200	3.162	8098087.87	15039306	163088.051	404897.498	78000	0.46863735	unknown	0.09372747	no risk	0.0096319	no risk	0.00518641	no risk	0.47826925	unknown	0.19264135	no risk	
Iopromide	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	7900	0.02528485	no risk	0.00505697	no risk	0.00051968	no risk	0.00027983	no risk	0.02580453	no risk	0.01039377	no risk	
lotalamic acid																						
Ioxaglic acid	66.5	970900	4854500	3.162	47238845.9	87729285.3	951346.966	2361902.07	28	2.8839E-05	no risk	5.7678E-06	no risk	5.9273E-07	no risk	3.1916E-07	no risk	2.9432E-05	no risk	1.1855E-05	no risk	
Ioxithalamic acid																						
Irbesartan	2.143	31287.8	156439	1.74	2766383.73	5137569.79	30937.8924	77046.4675	9.3	0.00029724	no risk	5.9448E-05	no risk	3.3618E-06	no risk	1.8102E-06	no risk	0.0003006	no risk	0.00012071	no risk	
Josamycin	2	29200	146000	17.54	256117.884	475647.5	26211.6139	63287.024	1500	0.05136986	no risk	0.01027397	no risk	0.00585668	no risk	0.0031536	no risk	0.05722654	no risk	0.02370154	no risk	
Ketoprofen	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	700	0.00958904	no risk	0.00191781	no risk	0.00019708	no risk	0.00010612	no risk	0.00978612	no risk	0.00394174	no risk	
Labetalol	2.857	41712.2	208561	28.2	227562.466	422616.008	35250.7395	83641.8689														
Lamotrigine	11.9	173740	868700	3.162	8453267.16	15698924.7	170241.036	422656.161	1300	0.00748245	no risk	0.00149649	no risk	0.00015379	no risk	8.2808E-05	no risk	0.00763623	no risk	0.00307579	no risk	
Levamisol	6	87600	438000	7.604	1772346.54	3291500.71	83474.204	205337.846	4.1	4.6804E-05	no risk	9.3607E-06	no risk	2.3133E-06	no risk	1.2456E-06	no risk	4.9117E-05	no risk	1.9967E-05	no risk	
Lidocaine	2.857	41712.2	208561	18.92	339178.728	629903.352	37144.2056	89468.9203	348	0.00834288	no risk	0.00166858	no risk	0.00102601	no risk	0.00055247	no risk	0.00936889	no risk	0.00388962	no risk	
Lincomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	290	0.00079452	no risk	0.0001589	no risk	1.633E-05	no risk	8.793E-06	no risk	0.00081085	no risk	0.0003266	no risk	
Linezolid	11.428	166848.8	834244	3.174	8087286.12	15019245.7	163476.124	405850.517	1.5	8.9902E-06	no risk	1.798E-06	no risk	1.8548E-07	no risk	9.9872E-08	no risk	9.1757E-06	no risk	3.6959E-06	no risk	
Loratadine	0.17	2482	12410	1253	304.745534	565.955991	271.419979	518.650089	58.4	0.02352941	no risk	0.00470588	no risk	0.19163529	no risk	0.10318824	no risk	0.21516471	unknown	0.1126	no risk	
Lorazepam	0.014	204.4	1022	17.54	1792.82519	3329.5325	183.481297	443.009168	506.8	2.47945205	risk	0.49589041	unknown	0.28268233	unknown	0.15221356	no risk	2.76213438	risk	1.14399438	risk	
Losartan	0.42	6132	30660	114.9	8210.48403	15248.0418	3510.31857	7644.45553	144	0.02348337	no risk	0.00469667	no risk	0.01753855	no risk	0.00944384	no risk	0.04102192	no risk	0.01883718	no risk	
Meclofenamic acid	2.857	41712.2	208561	56.23	114125.227	211946.851	30547.3107	69892.511	1000	0.0239738	no risk	0.00479476	no risk	0.0087623	no risk	0.00471816	no risk	0.03273611	no risk	0.01430768	no risk	
mefenamic acid	47.62	695252	3476260	10	10696184.6	19864342.9	652818.779	1598280.46	1500	0.00215749	no risk	0.0004315	no risk	0.00014024	no risk	7.5512E-05	no risk	0.00229773	no risk	0.00093851	no risk	
Meloxicam	1.25	18250	91250	85.14	32977.3586	61243.6659	11748.3472	26146.5064	4	0.00021918	no risk	4.3836E-05	no risk	0.0001213	no risk	6.5313E-05	no risk	0.00034047	no risk	0.00015298	no risk	
Meprobamate	6.1	89060	445300	3.162	4333187.37	8047347.97	87266.4134	216655.679	100	0.00112284	no risk	0.00022457	no risk	2.3078E-05	no risk	1.2426E-05	no risk	0.00114592	no risk	0.00046156	no risk	
Metformin	79.4	1159240	5796200	3.162	56402471.7	104747447	1135893.97	2820075.56	8670	0.00747904	no risk	0.00149581	no risk	0.00015372	no risk	8.2771E-05	no risk	0.00763275	no risk	0.00307439	no risk	
Methotrexate	0.143	2087.8	10439	3.162	101581.278	188650.944	2045.75363	5078.97739	31	0.01484817	no risk	0.00296963	no risk	0.00030517	no risk	0.00016432	no risk	0.01515334	no risk	0.00610359	no risk	
Metoprolol	14	204400	1022000	1.252	25116736.3	46645367.4	202750.02	505462.657	56600	0.27690802	unknown	0.0553816	no risk	0.00225348	no risk	0.00121341	no risk	0.2791615	unknown	0.11197662	no risk	
Metronidazole	0.6	8760	43800	3.162	426215.151	791542.423	8583.58165	21310.3947	211	0.02408676	no risk	0.00481735	no risk	0.00049506	no risk	0.00026657	no risk	0.02458181	no risk	0.00990127	no risk	
N-acetylcysteine	25.25	368650	1843250	3.162	17936554.3	33310743.7	361225.728	896812.442	59	0.00016004	no risk	3.2009E-05	no risk	3.2894E-06	no risk	1.7712E-06	no risk	0.00016333	no risk	6.5789E-05	no risk	
Nadolol	0.57	8322	41610	3.162	404904.394	751965.302	8154.40256	20244.8749	1.9	0.00022831	no risk	4.5662E-05	no risk	4.6925E-06	no risk	2.5267E-06	no risk	0.000233	no risk	9.3851E-05	no risk	
Naladixic acid	500	7300000	36500000	3.162	355179293	659618686	7152984.71	17758662.2	16700	0.00228767	no risk	0.00045753	no risk	4.7019E-05	no risk	2.5318E-05	no risk	0.00233469	no risk	0.00094039	no risk	
Naproxen	46	671600	3358000	3.162	32676494.9	60684919.1	658074.593	1633796.92	3890	0.00579214	no risk	0.00115843	no risk	0.00011905	no risk	6.4102E-05	no risk	0.00591118	no risk	0.00238096	no risk	
Neomycin	60	876000	4380000	3.162	42621515.1	79154242.3	858358.165	2131039.47	700	0.00079909	no risk	0.00015982	no risk	1.6424E-05	no risk	8.8435E-06	no risk	0.00081551	no risk	0.00032848	no risk	
Niflumic acid	14.286	208575.6	1042878	3.162	10148182.7	18846625.1	204375.079	507400.497	72	0.0003452	no risk	6.904E-05	no risk	7.0949E-06	no risk	3.8203E-06	no risk	0.00035229	no risk	0.0001419	no risk	
Norfloxacin	190	2774000	13870000	3.162	134968131	250655101	2718134.19	6748291.64	20700	0.00746215	no risk	0.00149243	no risk	0.00015337	no risk	8.2584E-05	no risk	0.00761552	no risk	0.00306744	no risk	
Ofloxacin	4.5	65700	328500	3.162	3196613.63	5936568.18	64376.8623	159827.96	610.6	0.00929376	no risk	0.00185875	no risk	0.00019101	no risk	0.00010285	no risk	0.00948477	no risk	0.00382036	no risk	
Olanzapine	1.4	20440	102200	44.3	70984.5459	131828.442	15870.1813	36825.5112	55.4	0.00271037	no risk	0.00054207	no risk	0.00078045	no risk	0.00042024	no risk	0.00349082	no risk	0.00150439	no risk	
Oxacillin	21.429	312863.4	1564317	3.162	15222274.1	28269937.7	306562.619	761100.745	265.5	0.00084861	no risk	0.00016972	no risk	1.7442E-05	no risk	9.3916E-06	no risk	0.00086605	no risk	0.00034884	no risk	
Oxazepam	0.429	6263.4	31317	13.96	69025.788	128190.749	5742.34006	13954.0168	70	0.01117604	no risk	0.00223521	no risk	0.00101411	no risk	0.00054606	no risk	0.01219015	no risk	0.00501648	no risk	
Oxytetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73														
Paromomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	1300	0.00356164	no risk	0.00071233	no risk	7.3202E-05	no risk	3.9417E-05	no risk	0.00363485	no risk	0.00146407	no risk	
Penicillin	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	63	0.00071918	no risk	0.00014384	no risk	1.4781E-05	no risk	7.9591E-06	no risk	0.00073396	no risk	0.00029563	no risk	
Phenazon	36	525600	2628000	3.162	25572909.1	47492545.4	515014.899	1278623.68	4	7.6104E-06												

Sertraline	0.357	5212.2	26061	1429	561.145503	1042.12736	506.604461	964.954179	1.9	0.00036453	no risk	7.2906E-05	no risk	0.00338593	no risk	0.00182319	no risk	0.00375046	no risk	0.00196901	no risk
Sildenafil	0.3	4380	21900	30.3	22239.147	41301.273	3659.30072	8655.27122	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Sisomicin	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	400	0.00958952	no risk	0.0019179	no risk	0.00019709	no risk	0.00010613	no risk	0.00978661	no risk	0.00394194	no risk
Sotalol	1.14	16644	83220	3.162	809808.787	1503930.6	16308.8051	40489.7498	44.8	0.00269166	no risk	0.00053833	no risk	5.5322E-05	no risk	2.9789E-05	no risk	0.00274698	no risk	0.00110645	no risk
Spiramycin	750	10950000	54750000	1	1684615385	3128571429	10879284.6	27137546.5	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Streptomycin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	3400	0.02328767	no risk	0.00465753	no risk	0.00047863	no risk	0.00025772	no risk	0.0237663	no risk	0.00957279	no risk
Sulfacetamide	82.5	1204500	6022500	3.162	58604583.3	108837083	1180242.48	2930179.27	1600	0.00132835	no risk	0.00026567	no risk	2.7302E-05	no risk	1.4701E-05	no risk	0.00135565	no risk	0.00054604	no risk
Sulfadiazine	20	292000	1460000	3.162	14207171.7	26384747.4	286119.388	710346.489	11	3.7671E-05	no risk	7.5342E-06	no risk	7.7426E-07	no risk	4.1691E-07	no risk	3.8445E-05	no risk	1.5485E-05	no risk
Sulfameter	0.31	4526	22630	3.162	220211.161	408963.585	4434.85052	11010.3706	65	0.01436147	no risk	0.00287229	no risk	0.00029517	no risk	0.00015894	no risk	0.01465664	no risk	0.00590353	no risk
Sulfamerazine	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	4500	0.00616438	no risk	0.00123288	no risk	0.0001267	no risk	6.8221E-05	no risk	0.00629108	no risk	0.00253397	no risk
Sulfamethazine	9.5	138700	693500	3.162	6748406.56	12532755	135906.709	337414.582	1800	0.01297765	no risk	0.00259553	no risk	0.00026673	no risk	0.00014362	no risk	0.01324438	no risk	0.00533468	no risk
Sulfamethoxazole	130	1898000	9490000	3.162	92346616.1	171500858	1859776.02	4617252.18	1400	0.00073762	no risk	0.00014752	no risk	1.516E-05	no risk	8.1632E-06	no risk	0.00075278	no risk	0.00030321	no risk
Sulfamethizole	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	2800	0.03835616	no risk	0.00767123	no risk	0.00078833	no risk	0.00042449	no risk	0.0391445	no risk	0.01576695	no risk
Sulfamethoxypyridazine	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	5	6.8493E-05	no risk	1.3699E-05	no risk	1.4077E-06	no risk	7.5801E-07	no risk	6.9901E-05	no risk	2.8155E-05	no risk
Sulfamoxole	76	1109600	5548000	2.226	76688091.8	142420742	1093774.18	2721001.69	800	0.00072098	no risk	0.0001442	no risk	1.0432E-05	no risk	5.6172E-06	no risk	0.00073141	no risk	0.00029401	no risk
Sulfaphenazole	15.08	220168	1100840	4.676	7243798.12	13452767.9	213673.604	528784.771	600	0.00272519	no risk	0.00054504	no risk	8.2829E-05	no risk	4.46E-05	no risk	0.00280802	no risk	0.00113468	no risk
Sulfapyridine	4.8	70080	350400	3.162	3409721.21	6332339.39	68668.6532	170483.157	400	0.00570776	no risk	0.00114155	no risk	0.00011731	no risk	6.3168E-05	no risk	0.00582507	no risk	0.00234627	no risk
Sulfathiazole	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	4100	0.00561644	no risk	0.00112329	no risk	0.00011543	no risk	6.2157E-05	no risk	0.00573187	no risk	0.00230873	no risk
Sulfisoxazole	667	9738200	48691000	2.155	695213279	1291110375	9603676.5	23894931.2	700	7.1882E-05	no risk	1.4376E-05	no risk	1.0069E-06	no risk	5.4217E-07	no risk	7.2889E-05	no risk	2.9295E-05	no risk
Tamsulosin	5.714	83424.4	417122	19.72	650837.884	1208698.93	73946.0015	177869.6	3.9	4.6749E-05	no risk	9.3498E-06	no risk	5.9923E-06	no risk	3.2266E-06	no risk	5.2741E-05	no risk	2.1926E-05	no risk
Tenoxicam	0.286	4175.6	20878	17.74	36211.9504	67250.765	3743.89183	9036.33491	4	0.00095795	no risk	0.00019159	no risk	0.00011046	no risk	5.9479E-05	no risk	0.00106841	no risk	0.00044266	no risk
Terbutalin	0.13	1898	9490	3.162	92346.6161	171500.858	1859.77602	4617.25218													
Tetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	3900	0.00890411	no risk	0.00178082	no risk	0.00018301	no risk	9.8542E-05	no risk	0.00908712	no risk	0.00366019	no risk
Theophylline	4.285	62561	312805	3.162	3043886.54	5652932.14	61301.0789	152191.735	58	0.0009271	no risk	0.00018542	no risk	1.9055E-05	no risk	1.026E-05	no risk	0.00094615	no risk	0.0003811	no risk
Thiabendazole	100	1460000	7300000	19.8	11344211.3	21067821.1	1293523.52	3111016.41	11.5	7.8767E-06	no risk	1.5753E-06	no risk	1.0137E-06	no risk	5.4586E-07	no risk	8.8904E-06	no risk	3.6965E-06	no risk
Thiamphenicol	2.5	36500	182500	3.162	1775896.46	3298093.43	35764.9235	88793.3111	106	0.00290411	no risk	0.00058082	no risk	5.9688E-05	no risk	3.214E-05	no risk	0.0029638	no risk	0.00119378	no risk
Timolol	0.28	4088	20440	4.158	151256.151	280904.281	3980.42116	9861.22402	0.3	7.3386E-05	no risk	1.4677E-05	no risk	1.9834E-06	no risk	1.068E-06	no risk	7.5369E-05	no risk	3.0422E-05	no risk
Tramadol	4.286	62575.6	312878	25.25	381267.936	708069.024	53753.334	128130.228	353.5	0.00564917	no risk	0.00112983	no risk	0.00092717	no risk	0.00049925	no risk	0.00657634	no risk	0.00275891	no risk
Trazodone	1.071	15636.6	78183	61.16	39333.4004	73047.7436	11188.6601	25464.2869	2	0.00012791	no risk	2.5581E-05	no risk	5.0847E-05	no risk	2.7379E-05	no risk	0.00017875	no risk	7.8541E-05	no risk
Trimethoprim	4.2	61320	306600	3.162	2983506.06	5540796.96	60085.0715	149172.763	3500	0.05707763	no risk	0.01141553	no risk	0.00117312	no risk	0.00063168	no risk	0.05825074	no risk	0.02346273	no risk
Valsartan	1.143	16687.8	83439	3.162	811939.863	1507888.32	16351.723	40596.3018	568.3	0.03405482	no risk	0.00681096	no risk	0.00069993	no risk	0.00037688	no risk	0.03475475	no risk	0.01399881	no risk
Venlafaxine	0.535	7811	39055	67	17935.7061	33309.1684	5441.30965	12310.4807	1660	0.2125208	unknown	0.04250416	no risk	0.09255281	no risk	0.04983613	no risk	0.30507361	unknown	0.13484445	no risk
Xylazine	0.17	2482	12410	442.7	862.539313	1601.85872	640.094905	1273.17961	4.3	0.00173247	no risk	0.00034649	no risk	0.00498528	no risk	0.00268438	no risk	0.00671775	no risk	0.00337737	no risk

Compound(150)	not in SW	Drinking Water		Chempider	Consumption of fish		Combined (DW+F)		Minimum	Human Health Risk (7 not found)											
	ADI not found	Concentration(ng/L)		EPI suite	(ng/L)		(ng/L)		MEC	Drinking water				Fish				Combined			
	ADI (mcg/Kg bw/d)	Children	Adult	BCF (L/kg)	Children	Adult	Children	Adult	ng/l	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome
17β estradiol	0.05	730	3650	205.5	546.509452	1014.94612	312.533448	652.22247	1.4	0.00191781	no risk	0.00038356	no risk	0.00256171	no risk	0.00137938	no risk	0.00447952	no risk	0.00214651	no risk
Acebutolol	5.714	83424.4	417122	0.9007	14249498.3	26463353.9	82938.8305	206930.158													
Acetaminophen	340	4964000	24820000	3.162	241521919	448540707	4864029.6	12075890.3	0.03	6.0435E-09	no risk	1.2087E-09	no risk	1.2421E-10	no risk	6.6884E-11	no risk	6.1677E-09	no risk	2.4843E-09	no risk
Acetylsalicylic acid (Aspirin)	7	102200	511000	3.162	4972510.1	9234661.61	100141.786	248621.271	28	0.00027397	no risk	5.4795E-05	no risk	5.631E-06	no risk	3.0321E-06	no risk	0.0002796	no risk	0.00011262	no risk
Albendazole	25.4	370840	1854200	49.27	1157952.26	2150482.76	280885.132	647817.694	35.2	9.492E-05	no risk	1.8984E-05	no risk	3.0398E-05	no risk	1.6368E-05	no risk	0.00012532	no risk	5.4336E-05	no risk
Albuterol	2.8	40880	204400	3.162	1989004.04	3693864.64	40056.7143	99448.5084	0.2	4.8924E-06	no risk	9.7847E-07	no risk	1.0055E-07	no risk	5.4144E-08	no risk	4.9929E-06	no risk	2.0111E-06	no risk
Alprazolam	0.04	584	2920	11.64	7718.74174	14334.8061	542.922485	1325.04424	286	0.48972603	unknown	0.09794521	no risk	0.03705267	no risk	0.01995144	no risk	0.5267787	unknown	0.21584185	unknown
Amikacin (Kanamycin B)	8	116800	584000	3.162	5682868.68	10553899	114447.755	284138.595	100	0.00085616	no risk	0.00017123	no risk	1.7597E-05	no risk	9.4752E-06	no risk	0.00087376	no risk	0.00035194	no risk
Amitriptyline	0.429	6263.4	31317	818.9	1176.70045	2185.30084	990.597594	1917.67065	10	0.00159658	no risk	0.00031932	no risk	0.00849834	no risk	0.00457603	no risk	0.01009492	no risk	0.00521466	no risk
Amlodipine	0.08	1168	5840	44.3	4056.25977	7533.05385	906.867503	2104.31493	1	0.00085616	no risk	0.00017123	no risk	0.00024653	no risk	0.00013275	no risk	0.0011027	no risk	0.00047521	no risk
Amoxicillin	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	0.8	2.5605E-06	no risk	5.121E-07	no risk	5.2626E-08	no risk	2.8337E-08	no risk	2.6131E-06	no risk	1.0525E-06	no risk
Ampicillin	3	43800	219000	3.162	2131075.76	3957712.12	42917.9082	106551.973	16.67	0.00038059	no risk	7.6119E-05	no risk	7.8223E-06	no risk	4.212E-06	no risk	0.00038842	no risk	0.00015645	no risk
Atenolol	2.7	39420	197100	3.162	1917968.18	3561940.91	38626.1174	95896.776	0.5	1.2684E-05	no risk	2.5368E-06	no risk	2.6069E-07	no risk	1.4037E-07	no risk	1.2945E-05	no risk	5.2139E-06	no risk
Atorvastatin	0.53	7738	38690	56.23	21171.2883	39318.1068	5666.80947	12965.7091	23.5	0.00303696	no risk	0.00060739	no risk	0.00110999	no risk	0.00059769	no risk	0.00414695	no risk	0.00181247	no risk
Azithromycin	1.7	24820	124100	208.6	18305.1847	33995.3431	10535.2519	21962.6582	0.2	8.058E-06	no risk	1.6116E-06	no risk	1.0926E-05	no risk	5.8832E-06	no risk	1.8984E-05	no risk	9.1064E-06	no risk
Bezafibrate	2.9	42340	211700	3.162	2060039.9	3825788.38	41487.3113	103000.241	1.8	4.2513E-05	no risk	8.5026E-06	no risk	8.7377E-07	no risk	4.7049E-07	no risk	4.3387E-05	no risk	1.7476E-05	no risk
Bisoprolol	0.018	262.8	1314	4.418	9151.37375	16995.4084	255.463845	632.547303	1	0.00380518	no risk	0.00076104	no risk	0.00010927	no risk	5.8839E-05	no risk	0.00391445	no risk	0.00158091	no risk
Carazolol	0.1	1460	7300	60.27	3726.81906	6921.23539	1049.03521	2389.74048	0.2	0.00013699	no risk	2.7397E-05	no risk	5.3665E-05	no risk	2.8897E-05	no risk	0.00019065	no risk	8.3691E-05	no risk
Carbadox	4.25	62050	310250	3.162	3019023.99	5606758.83	60800.37	150948.629	12	0.00019339	no risk	3.8678E-05	no risk	3.9748E-06	no risk	2.1403E-06	no risk	0.00019737	no risk	7.9497E-05	no risk
Carbamazepine	0.34	4964	24820	19.21	39754.9353	73830.5942	4412.974	10624.2041	0.3	6.0435E-05	no risk	1.2087E-05	no risk	7.5462E-06	no risk	4.0634E-06	no risk	6.7981E-05	no risk	2.8237E-05	no risk
Cefixime	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	137	0.00328441	no risk	0.00065688	no risk	6.7504E-05	no risk	3.6349E-05	no risk	0.00335192	no risk	0.00135011	no risk
Cephalexin	54.4	794240	3971200	3.162	38643507	71766513.1	778244.736	1932142.45	1.4	1.7627E-06	no risk	3.5254E-07	no risk	3.6229E-08	no risk	1.9508E-08	no risk	1.7989E-06	no risk	7.2458E-07	no risk
Cetirizine	0.071	1036.6	5183	3.162	50435.4595	93665.8534	1015.72383	2521.73003	3.39	0.00327031	no risk	0.00065406	no risk	6.7215E-05	no risk	3.6192E-05	no risk	0.00333752	no risk	0.00134432	no risk
Chloramphenicol	11	160600	803000	1.457	16957922	31493283.7	159093.307	396445.811	0.1	6.2267E-07	no risk	1.2453E-07	no risk	5.8969E-09	no risk	3.1753E-09	no risk	6.2856E-07	no risk	2.5224E-07	no risk
Cimetidine	28.6	417560	2087800	3.162	20316255.5	37730188.8	409150.725	1015795.48	0.2	4.7897E-07	no risk	9.5795E-08	no risk	9.8443E-09	no risk	5.3008E-09	no risk	4.8882E-07	no risk	1.9689E-07	no risk
Ciprofloxacin	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	0.4	1.7123E-05	no risk	3.4247E-06	no risk	3.5193E-07	no risk	1.895E-07	no risk	1.7475E-05	no risk	7.0388E-06	no risk
Citalopram	0.114	1664.4	8322	3.162	80980.8787	150393.06	1630.88051	4048.97498	1	0.00060082	no risk	0.00012016	no risk	1.2349E-05	no risk	6.6492E-06	no risk	0.00061317	no risk	0.00024698	no risk
Clarithromycin	0.2	2920	14600	56.49	7952.39457	14768.7328	2135.77533	4885.27141	0.2	6.8493E-05	no risk	1.3699E-05	no risk	2.515E-05	no risk	1.3542E-05	no risk	9.3643E-05	no risk	4.0939E-05	no risk
Clavulanic acid	90	1314000	6570000	3.162	63932272.7	118731364	1287537.25	3196559.2	0.1	7.6104E-08	no risk	1.5221E-08	no risk	1.5642E-09	no risk	8.4224E-10	no risk	7.7668E-08	no risk	3.1284E-08	no risk
Clofibrate (clofibrac acid)	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	1.5	4.8009E-06	no risk	9.6018E-07	no risk	9.8673E-08	no risk	5.3132E-08	no risk	4.8996E-06	no risk	1.9735E-06	no risk
Clopidogrel	1.071	15636.6	78183	154.2	15600.7183	28972.7626	7809.31928	16639.9915	0.2	1.2791E-05	no risk	2.5581E-06	no risk	1.282E-05	no risk	6.903E-06	no risk	2.561E-05	no risk	1.2019E-05	no risk
Clozimidazole	1.429	20863.4	104317	6297	509.727465	946.63672	497.570981	929.76225	18	0.00086275	no risk	0.00017255	no risk	0.03531299	no risk	0.01901469	no risk	0.03617574	no risk	0.01935979	no risk
Codeine	2	29200	146000	2.832	1586266.84	2945924.13	28672.2021	71234.8016	1.9	6.5068E-05	no risk	1.3014E-05	no risk	1.1978E-06	no risk	6.4496E-07	no risk	6.6266E-05	no risk	2.6672E-05	no risk
Danofloxacin	600	8760000	43800000	1	1347692308	2502857143	8703427.72	21710037.2	59	6.7352E-06	no risk	1.347E-06	no risk	4.3779E-08	no risk	2.3573E-08	no risk	6.7789E-06	no risk	2.7176E-06	no risk
Dapsone	3.5	51100	255500	3.162	2486255.05	4617330.8	50070.8929	124310.635	2800	0.05479452	no risk	0.0109589	no risk	0.00112619	no risk	0.00060641	no risk	0.05592071	no risk	0.02252422	no risk
Diatrizoic acid	0.89	12994	64970	3.162	632219.141	1174121.26	12732.3128	31610.4187	20	0.00153917	no risk	0.00030783	no risk	3.1635E-05	no risk	1.7034E-05	no risk	0.00157081	no risk	0.0006327	no risk
Diazepam	0.16	2336	11680	33.7	10664.2319	19805.0021	1916.24626	4510.08785	9	0.00385274	no risk	0.00077055	no risk	0.00084394	no risk	0.00045443	no risk	0.00469668	no risk	0.00199553	no risk
Diclofenac	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	1.6	6.8493E-05	no risk	1.3699E-05	no risk	1.4077E-06	no risk	7.5801E-07	no risk	6.9901E-05	no risk	2.8155E-05	no risk
Dilantin (Phenytoin)	0.083	1211.8	6059	15.92	11710.4755	21748.0258	1098.16218	2659.08891	180	0.14853936	no risk	0.02970787	no risk	0.01537085	no risk	0.00827661	no risk	0.16391022	no risk	0.06769236	no risk
Diltiazem	14	204400	1022000	28.08	1119877.27	2079772.08	172851.199	410211.126	1.97	9.638E-06	no risk	1.9276E-06	no risk	1.7591E-06	no risk	9.4722E-07	no risk	1.1397E-05	no risk	4.8024E-06	no risk
Dimetridazole	0.006	87.6	438	3.162	4262.15151	7915.42423	85.8358165	213.103947	183.4	2.09360731	risk	0.41872146	unknown	0.04302991	no risk	0.02316995	no risk	2.13663722	risk	0.86061287	unknown
Diphenhydramine	0.4	5840	29200	66.76	13458.0818	24993.5804	4072.69481	9216.29896	50	0.00856164	no risk	0.00171233	no risk	0.00371524	no risk	0.00200051	no risk	0.01227688	no risk	0.00542517	no risk
Doxycycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	29	6.621E-05	no risk	1.3242E-05	no risk	1.3608E-06	no risk	7.3275E-07	no risk	6.7571E-05	no risk	2.7217E-05	no risk
Enrofloxacin	6.2	90520	452600	3.162	4404223.23	8179271.71	88697.0103	220207.411	379	0.00418692	no										

Gabapentin	4.286	62575.6	312878	3.162	3044596.9	5654251.38	61315.3849	152227.252	8	0.00012785	no risk	2.5569E-05	no risk	2.6276E-06	no risk	1.4149E-06	no risk	0.00013047	no risk	5.2553E-05	no risk
Gemfibrozil	0.56	8176	40880	3.162	397800.808	738772.929	8011.34287	19889.7017	1	0.00012231	no risk	2.4462E-05	no risk	2.5138E-06	no risk	1.3536E-06	no risk	0.00012482	no risk	5.0277E-05	no risk
Gentamicin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	200	0.00136986	no risk	0.00027397	no risk	2.8155E-05	no risk	1.516E-05	no risk	0.00139802	no risk	0.00056311	no risk
Glibenclamide	0.0214	312.44	1562.2	973.8	49.3609492	91.6703342	42.6265741	82.0418559	2	0.00640123	no risk	0.00128025	no risk	0.04051786	no risk	0.02181731	no risk	0.04691909	no risk	0.0243778	no risk
Glimepiride	0.014	204.4	1022	828.8	37.9417879	70.4633205	32.001503	61.924382	2000	9.78473581	risk	1.95694716	risk	52.7123288	risk	28.3835616	risk	62.4970646	risk	32.297456	risk
Hydrochlorothiazide	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	0.9	1.0274E-05	no risk	2.0548E-06	no risk	2.1116E-07	no risk	1.137E-07	no risk	1.0485E-05	no risk	4.2233E-06	no risk
Hydrocortisone	0.287	4190.2	20951	5.361	120247.371	223316.545	4049.10293	10006.1252	36	0.00859148	no risk	0.0017183	no risk	0.00029938	no risk	0.00016121	no risk	0.00889086	no risk	0.0035978	no risk
Ibuprofen	110	1606000	8030000	3.162	78139444.4	145116111	1573656.64	3906905.69	3.73	2.3225E-06	no risk	4.6451E-07	no risk	4.7735E-08	no risk	2.5704E-08	no risk	2.3703E-06	no risk	9.5472E-07	no risk
Indomethacin	0.71	10366	51830	26.26	60729.9783	112784.245	8854.60711	21072.9605	12.7	0.00122516	no risk	0.00024503	no risk	0.00020912	no risk	0.0001126	no risk	0.00143428	no risk	0.00060267	no risk
Ioexol	20.6	300760	1503800	3.162	14633386.9	27176289.9	294702.97	731656.883	12	3.9899E-05	no risk	7.9798E-06	no risk	8.2004E-07	no risk	4.4156E-07	no risk	4.0719E-05	no risk	1.6401E-05	no risk
Iomeprol	1.9	27740	138700	3.162	1349681.31	2506551.01	27181.3419	67482.9164	100	0.0036049	no risk	0.00072098	no risk	7.4092E-05	no risk	3.9895E-05	no risk	0.00367899	no risk	0.00148186	no risk
Iopamidol	11.4	166440	832200	3.162	8098087.87	15039306	163088.051	404897.498	100	0.00060082	no risk	0.00012016	no risk	1.2349E-05	no risk	6.6492E-06	no risk	0.00061317	no risk	0.00024698	no risk
Iopromide	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	6	1.9204E-05	no risk	3.8407E-06	no risk	3.9469E-07	no risk	2.1253E-07	no risk	1.9598E-05	no risk	7.894E-06	no risk
Iotalamic acid																					
Ioxaglic acid	66.5	970900	4854500	3.162	47238845.9	87729285.3	951346.966	2361902.07	28	2.8839E-05	no risk	5.7678E-06	no risk	5.9273E-07	no risk	3.1916E-07	no risk	2.9432E-05	no risk	1.1855E-05	no risk
Ioxithalamic acid																					
Irbesartan	2.143	31287.8	156439	1.74	2766383.73	5137569.79	30937.8924	77046.4675	0.3	9.5884E-06	no risk	1.9177E-06	no risk	1.0844E-07	no risk	5.8393E-08	no risk	9.6968E-06	no risk	3.8938E-06	no risk
Josamycin	2	29200	146000	17.54	256117.884	475647.5	26211.6139	63287.024	300	0.01027397	no risk	0.00205479	no risk	0.00117134	no risk	0.00063072	no risk	0.01144531	no risk	0.00474031	no risk
Ketoprofen	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	5.8	7.9452E-05	no risk	1.589E-05	no risk	1.633E-06	no risk	8.793E-07	no risk	8.1085E-05	no risk	3.266E-05	no risk
Labetalol	2.857	41712.2	208561	28.2	227562.466	422616.008	35250.7395	83641.8689													
Lamotrigine	11.9	173740	868700	3.162	8453267.16	15698924.7	170241.036	422656.161	300	0.00172672	no risk	0.00034534	no risk	3.5489E-05	no risk	1.911E-05	no risk	0.00176221	no risk	0.0007098	no risk
Levamisol	6	87600	438000	7.604	1772346.54	3291500.71	83474.204	205337.846	0.2	2.2831E-06	no risk	4.5662E-07	no risk	1.1284E-07	no risk	6.0763E-08	no risk	2.3959E-06	no risk	9.74E-07	no risk
Lidocaine	2.857	41712.2	208561	18.92	339178.728	629903.352	37144.2056	89468.9203	2.92	7.0004E-05	no risk	1.4001E-05	no risk	8.609E-06	no risk	4.6356E-06	no risk	7.8613E-05	no risk	3.2637E-05	no risk
Lincomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	74.3	0.00020356	no risk	4.0712E-05	no risk	4.1838E-06	no risk	2.2528E-06	no risk	0.00020775	no risk	8.3677E-05	no risk
Linezolid	11.428	166848.8	834244	3.174	8087286.12	15019245.7	163476.124	405850.517	0.3	1.798E-06	no risk	3.5961E-07	no risk	3.7095E-08	no risk	1.9974E-08	no risk	1.8351E-06	no risk	7.3919E-07	no risk
Loratadine	0.17	2482	12410	1253	304.745534	565.955991	271.419979	518.650089	2	0.0008058	no risk	0.00016116	no risk	0.00656285	no risk	0.00353384	no risk	0.00736865	no risk	0.00385616	no risk
Lorazepam	0.014	204.4	1022	17.54	1792.82519	3329.5325	183.481297	443.009168	415.2	2.03131115	risk	0.40626223	unknown	0.23158978	unknown	0.12470219	no risk	2.26290094	risk	0.93722665	unknown
Losartan	0.42	6132	30660	114.9	8210.48403	15248.0418	3510.31857	7644.45553	0.9	0.00014677	no risk	2.9354E-05	no risk	0.00010962	no risk	5.9024E-05	no risk	0.00025639	no risk	0.00011773	no risk
Meclofenamic acid	2.857	41712.2	208561	56.23	114125.227	211946.851	30547.3107	69892.511	510	0.01222664	no risk	0.00244533	no risk	0.00446878	no risk	0.00240626	no risk	0.01669541	no risk	0.00729692	no risk
mefenamic acid	47.62	695252	3476260	10	10696184.6	19864342.9	652818.779	1598280.46	0.6	8.63E-07	no risk	1.726E-07	no risk	5.6095E-08	no risk	3.0205E-08	no risk	9.1909E-07	no risk	3.754E-07	no risk
Meloxicam	1.25	18250	91250	85.14	32977.3586	61243.6659	11748.3472	26146.5064	0.2	1.0959E-05	no risk	2.1918E-06	no risk	6.0648E-06	no risk	3.2656E-06	no risk	1.7024E-05	no risk	7.6492E-06	no risk
Meprobamate	6.1	89060	445300	3.162	4333187.37	8047347.97	87266.4134	216655.679	100	0.00112284	no risk	0.00022457	no risk	2.3078E-05	no risk	1.2426E-05	no risk	0.00114592	no risk	0.00046156	no risk
Metformin	79.4	1159240	5796200	3.162	56402471.7	104747447	1135893.97	2820075.56	0.5	4.3132E-07	no risk	8.6263E-08	no risk	8.8649E-09	no risk	4.7734E-09	no risk	4.4018E-07	no risk	1.773E-07	no risk
Methotrexate	0.143	2087.8	10439	3.162	101581.278	188650.944	2045.75363	5078.97739	31	0.01484817	no risk	0.00296963	no risk	0.00030517	no risk	0.00016432	no risk	0.01515334	no risk	0.00610359	no risk
Metoprolol	14	204400	1022000	1.252	25116736.3	46645367.4	202750.02	505462.657	0.1	4.8924E-07	no risk	9.7847E-08	no risk	3.9814E-09	no risk	2.1438E-09	no risk	4.9322E-07	no risk	1.9784E-07	no risk
Metronidazole	0.6	8760	43800	3.162	426215.151	791542.423	8583.58165	21310.3947	0.1	1.1416E-05	no risk	2.2831E-06	no risk	2.3462E-07	no risk	1.2634E-07	no risk	1.165E-05	no risk	4.6925E-06	no risk
N-acetylcysteine	25.25	368650	1843250	3.162	17936554.3	33310743.7	361225.728	896812.442	59	0.00016004	no risk	3.2009E-05	no risk	3.2894E-06	no risk	1.7712E-06	no risk	0.00016333	no risk	6.5789E-05	no risk
Nadolol	0.57	8322	41610	3.162	404904.394	751965.302	8154.40256	20244.8749	0.8	9.6131E-05	no risk	1.9226E-05	no risk	1.9758E-06	no risk	1.0639E-06	no risk	9.8107E-05	no risk	3.9516E-05	no risk
Naladixic acid	500	7300000	36500000	3.162	355179293	659618686	7152984.71	17758662.2	300	4.1096E-05	no risk	8.2192E-06	no risk	8.4464E-07	no risk	4.5481E-07	no risk	4.1941E-05	no risk	1.6893E-05	no risk
Naproxen	46	671600	3358000	3.162	32676494.9	60684919.1	658074.593	1633796.92	15.98	2.3794E-05	no risk	4.7588E-06	no risk	4.8904E-07	no risk	2.6333E-07	no risk	2.4283E-05	no risk	9.7809E-06	no risk
Neomycin	60	876000	4380000	3.162	42621515.1	79154242.3	858358.165	2131039.47	100	0.00011416	no risk	2.2831E-05	no risk	2.3462E-06	no risk	1.2634E-06	no risk	0.0001165	no risk	4.6925E-05	no risk
Niflumic acid	14.286	208575.6	1042878	3.162	10148182.7	18846625.1	204375.079	507400.497	72	0.0003452	no risk	6.904E-05	no risk	7.0949E-06	no risk	3.8203E-06	no risk	0.00035229	no risk	0.0001419	no risk
Norfloxacin	190	2774000	13870000	3.162	134968131	250655101	2718134.19	6748291.64	19.36	6.9791E-06	no risk	1.3958E-06	no risk	1.4344E-07	no risk	7.7238E-08	no risk	7.1225E-06	no risk	2.8689E-06	no risk
Ofloxacin	4.5	65700	328500	3.162	3196613.63	5936568.18	64376.8623	159827.96	0.8	1.2177E-05	no risk	2.4353E-06	no risk	2.5026E-07	no risk	1.3476E-07	no risk	1.2427E-05	no risk	5.0054E-06	no risk
Olanzapine	1.4	20440	102200	44.3	70984.5459	131828.442	15870.1813	36825.5112	9.5	0.00046477	no risk	9.2955E-05	no risk	0.00013383	no risk	7.2063E-05	no risk	0.00059861	no risk	0.00025797	no risk
Oxacillin	21.429	312863.4	1564317	3.162	15222274.1	28269937.7	306562.619	761100.745	0.9	2.8767E-06	no risk	5.7533E-07	no risk	5.9124E-08	no risk	3.1836E-08	no risk	2.9358E-06	no risk	1.1825E-06	no risk
Oxazepam	0.429	6263.4	31317	13.96	69025.788	128190.749	5742.34006	13954.0168	38	0.00606699	no risk	0.0012134	no risk	0.00055052	no risk	0.00029643	no risk	0.00661751	no risk	0.00272323	no risk
Oxytetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73													
Paromomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	900	0.00246575	no risk	0.00049315	no risk	5.0679E-05	no risk	2.7288E-05	no risk	0.00251643	no risk	0.00101359	no risk
Penicillin	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	0.7	7.9909E-06	no risk	1.5982E-06	no risk	1.6424E-07	no risk	8.8435E-08	no risk	8.1551E-06	no risk	3.2848E-06	no risk
Phenazon	36	525600	2628000	3.162	25572909.1	47492545.4	515014.899	1278623.68	1.9	3.6149E-06	no risk	7.2298E-07	no risk								

Sertraline	0.357	5212.2	26061	1429	561.145503	1042.12736	506.604461	964.954179	1	0.00019186	no risk	3.8372E-05	no risk	0.00178207	no risk	0.00095958	no risk	0.00197393	no risk	0.00103632	no risk
Sildenafil	0.3	4380	21900	30.3	22239.147	41301.273	3659.30072	8655.27122	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Sisomicin	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	400	0.00958952	no risk	0.0019179	no risk	0.00019709	no risk	0.00010613	no risk	0.00978661	no risk	0.00394194	no risk
Sotalol	1.14	16644	83220	3.162	809808.787	1503930.6	16308.8051	40489.7498	0.5	3.0041E-05	no risk	6.0082E-06	no risk	6.1743E-07	no risk	3.3246E-07	no risk	3.0658E-05	no risk	1.2349E-05	no risk
Spiramycin	750	10950000	54750000	1	1684615385	3128571429	10879284.6	27137546.5	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Streptomycin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	700	0.00479452	no risk	0.0009589	no risk	9.8542E-05	no risk	5.3061E-05	no risk	0.00489306	no risk	0.00197087	no risk
Sulfacetamide	82.5	1204500	6022500	3.162	58604583.3	108837083	1180242.48	2930179.27	1600	0.00132835	no risk	0.00026567	no risk	2.7302E-05	no risk	1.4701E-05	no risk	0.00135565	no risk	0.00054604	no risk
Sulfadiazine	20	292000	1460000	3.162	14207171.7	26384747.4	286119.388	710346.489	6	2.0548E-05	no risk	4.1096E-06	no risk	4.2232E-07	no risk	2.274E-07	no risk	2.097E-05	no risk	8.4466E-06	no risk
Sulfameter	0.31	4526	22630	3.162	220211.161	408963.585	4434.85052	11010.3706	65	0.01436147	no risk	0.00287229	no risk	0.00029517	no risk	0.00015894	no risk	0.01465664	no risk	0.00590353	no risk
Sulfamerazine	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	4500	0.00616438	no risk	0.00123288	no risk	0.0001267	no risk	6.8221E-05	no risk	0.00629108	no risk	0.00253397	no risk
Sulfamethazine	9.5	138700	693500	3.162	6748406.56	12532755	135906.709	337414.582	3	2.1629E-05	no risk	4.3259E-06	no risk	4.4455E-07	no risk	2.3937E-07	no risk	2.2074E-05	no risk	8.8911E-06	no risk
Sulfamethoxazole	130	1898000	9490000	3.162	92346616.1	171500858	1859776.02	4617252.18	0.8	4.215E-07	no risk	8.4299E-08	no risk	8.663E-09	no risk	4.6647E-09	no risk	4.3016E-07	no risk	1.7326E-07	no risk
Sulfamethizole	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	4	5.4795E-05	no risk	1.0959E-05	no risk	1.1262E-06	no risk	6.0641E-07	no risk	5.5921E-05	no risk	2.2524E-05	no risk
Sulfamethoxypridazine	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	5	6.8493E-05	no risk	1.3699E-05	no risk	1.4077E-06	no risk	7.5801E-07	no risk	6.9901E-05	no risk	2.8155E-05	no risk
Sulfamoxole	76	1109600	5548000	2.226	76688091.8	142420742	1093774.18	2721001.69	300	0.00027037	no risk	5.4074E-05	no risk	3.912E-06	no risk	2.1064E-06	no risk	0.00027428	no risk	0.00011025	no risk
Sulfaphenazole	15.08	220168	1100840	4.676	7243798.12	13452767.9	213673.604	528784.771	200	0.0009084	no risk	0.00018168	no risk	2.761E-05	no risk	1.4867E-05	no risk	0.00093601	no risk	0.00037823	no risk
Sulfapyridine	4.8	70080	350400	3.162	3409721.21	6332339.39	68668.6532	170483.157	200	0.00285388	no risk	0.00057078	no risk	5.8656E-05	no risk	3.1584E-05	no risk	0.00291254	no risk	0.00117314	no risk
Sulfathiazole	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	0.76	1.0411E-06	no risk	2.0822E-07	no risk	2.1398E-08	no risk	1.1522E-08	no risk	1.0625E-06	no risk	4.2796E-07	no risk
Sulfisoxazole	667	9738200	48691000	2.155	695213279	1291110375	9603676.5	23894931.2	100	1.0269E-05	no risk	2.0538E-06	no risk	1.4384E-07	no risk	7.7453E-08	no risk	1.0413E-05	no risk	4.185E-06	no risk
Tamsulosin	5.714	83424.4	417122	19.72	650837.884	1208698.93	73946.0015	177869.6	0.3	3.5961E-06	no risk	7.1921E-07	no risk	4.6094E-07	no risk	2.482E-07	no risk	4.057E-06	no risk	1.6866E-06	no risk
Tenoxicam	0.286	4175.6	20878	17.74	36211.9504	67250.765	3743.89183	9036.33491	0.2	4.7897E-05	no risk	9.5795E-06	no risk	5.523E-06	no risk	2.9739E-06	no risk	5.342E-05	no risk	2.2133E-05	no risk
Terbutalin	0.13	1898	9490	3.162	92346.6161	171500.858	1859.77602	4617.25218													
Tetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	4	9.1324E-06	no risk	1.8265E-06	no risk	1.877E-07	no risk	1.0107E-07	no risk	9.3201E-06	no risk	3.754E-06	no risk
Theophylline	4.285	62561	312805	3.162	3043886.54	5652932.14	61301.0789	152191.735	22	0.00035166	no risk	7.0331E-05	no risk	7.2276E-06	no risk	3.8918E-06	no risk	0.00035888	no risk	0.00014455	no risk
Thiabendazole	100	1460000	7300000	19.8	11344211.3	21067821.1	1293523.52	3111016.41	0.3	2.0548E-07	no risk	4.1096E-08	no risk	2.6445E-08	no risk	1.424E-08	no risk	2.3192E-07	no risk	9.6432E-08	no risk
Thiamphenicol	2.5	36500	182500	3.162	1775896.46	3298093.43	35764.9235	88793.3111	0.03	8.2192E-07	no risk	1.6438E-07	no risk	1.6893E-08	no risk	9.0962E-09	no risk	8.3881E-07	no risk	3.3786E-07	no risk
Timolol	0.28	4088	20440	4.158	151256.151	280904.281	3980.42116	9861.22402	0.3	7.3386E-05	no risk	1.4677E-05	no risk	1.9834E-06	no risk	1.068E-06	no risk	7.5369E-05	no risk	3.0422E-05	no risk
Tramadol	4.286	62575.6	312878	25.25	381267.936	708069.024	53753.334	128130.228	32	0.00051138	no risk	0.00010228	no risk	8.393E-05	no risk	4.5193E-05	no risk	0.00059531	no risk	0.00024975	no risk
Trazodone	1.071	15636.6	78183	61.16	39333.4004	73047.7436	11188.6601	25464.2869	0.2	1.2791E-05	no risk	2.5581E-06	no risk	5.0847E-06	no risk	2.7379E-06	no risk	1.7875E-05	no risk	7.8541E-06	no risk
Trimethoprim	4.2	61320	306600	3.162	2983506.06	5540796.96	60085.0715	149172.763	0.2	3.2616E-06	no risk	6.5232E-07	no risk	6.7035E-08	no risk	3.6096E-08	no risk	3.3286E-06	no risk	1.3407E-06	no risk
Valsartan	1.143	16687.8	83439	3.162	811939.863	1507888.32	16351.723	40596.3018	2.6	0.0001558	no risk	3.116E-05	no risk	3.2022E-06	no risk	1.7243E-06	no risk	0.000159	no risk	6.4045E-05	no risk
Venlafaxine	0.535	7811	39055	67	17935.7061	33309.1684	5441.30965	12310.4807	0.3	3.8407E-05	no risk	7.6815E-06	no risk	1.6726E-05	no risk	9.0065E-06	no risk	5.5134E-05	no risk	2.4369E-05	no risk
Xylazine	0.17	2482	12410	442.7	862.539313	1601.85872	640.094905	1273.17961	3.3	0.00132957	no risk	0.00026591	no risk	0.00382591	no risk	0.00206011	no risk	0.00515549	no risk	0.00259194	no risk

Compound(150)	not in SW	Drinking Water		Chempider EPI suite	Consumption of fish		Combined (DW+F)		Median MEC	Human Health Risk (7 not found)											
	ADI not found	Concentration(ng/L)			(ng/L)		(ng/L)			Drinking water				Fish			Combined				
ADI (mcg/Kg bw/d)	Children	Adult	BCF (L/kg)	Children	Adult	Children	Adult	ng/l	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome	
17β estradiol	0.05	730	3650	205.5	546.509452	1014.94612	312.533448	652.22247	240001.5	328.76911	risk	65.7538219	risk	439.153338	risk	236.467182	risk	767.922448	risk	367.974826	risk
Acebutolol	5.714	83424.4	417122	0.9007	14249498.3	26463353.9	82938.8305	206930.158													
Acetaminophen	340	4964000	24820000	3.162	241521919	448540707	4864029.6	12075890.3	392	7.8969E-05	no risk	1.5794E-05	no risk	1.623E-06	no risk	8.7395E-07	no risk	8.0592E-05	no risk	3.2461E-05	no risk
Acetylsalicylic acid (Aspirin)	7	102200	511000	3.162	4972510.1	9234661.61	100141.786	248621.271	109	0.00106654	no risk	0.00021331	no risk	2.1921E-05	no risk	1.1803E-05	no risk	0.00108846	no risk	0.00043842	no risk
Albendazole	25.4	370840	1854200	49.27	1157952.26	2150482.76	280885.132	647817.694	35.2	9.492E-05	no risk	1.8984E-05	no risk	3.0398E-05	no risk	1.6368E-05	no risk	0.00012532	no risk	5.4336E-05	no risk
Albuterol	2.8	40880	204400	3.162	1989004.04	3693864.64	40056.7143	99448.5084	0.2	4.8924E-06	no risk	9.7847E-07	no risk	1.0055E-07	no risk	5.4144E-08	no risk	4.9929E-06	no risk	2.0111E-06	no risk
Alprazolam	0.04	584	2920	11.64	7718.74174	14334.8061	542.922485	1325.04424	389.4	0.66678082	unknown	0.13335616	no risk	0.05044864	no risk	0.02716465	no risk	0.71722946	unknown	0.29387698	unknown
Amikacin (Kanamycin B)	8	116800	584000	3.162	5682868.68	10553899	114447.755	284138.595	650	0.00556507	no risk	0.00111301	no risk	0.00011438	no risk	6.1589E-05	no risk	0.00567945	no risk	0.00228762	no risk
Amitriptyline	0.429	6263.4	31317	818.9	1176.70045	2185.30084	990.597594	1917.67065	14.85	0.00237092	no risk	0.00047418	no risk	0.01262003	no risk	0.0067954	no risk	0.01499095	no risk	0.00774377	no risk
Amlodipine	0.08	1168	5840	44.3	4056.25977	7533.05385	906.867503	2104.31493	1.8	0.0015411	no risk	0.00030822	no risk	0.00044376	no risk	0.00023895	no risk	0.00198485	no risk	0.00085539	no risk
Amoxicillin	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	32	0.00010242	no risk	2.0484E-05	no risk	2.105E-06	no risk	1.1335E-06	no risk	0.00010452	no risk	4.2101E-05	no risk
Ampicillin	3	43800	219000	3.162	2131075.76	3957712.12	42917.9082	106551.973	23.36	0.00053333	no risk	0.00010667	no risk	1.0962E-05	no risk	5.9024E-06	no risk	0.00054429	no risk	0.00021924	no risk
Atenolol	2.7	39420	197100	3.162	1917968.18	3561940.91	38626.1174	95896.776	209	0.00530188	no risk	0.00106038	no risk	0.00010897	no risk	5.8676E-05	no risk	0.00541085	no risk	0.00217943	no risk
Atorvastatin	0.53	7738	38690	56.23	21171.2883	39318.1068	5666.80947	12965.7091	191.955	0.0248068	no risk	0.00496136	no risk	0.00906676	no risk	0.0048821	no risk	0.03387356	no risk	0.01480482	no risk
Azithromycin	1.7	24820	124100	208.6	18305.1847	33995.3431	10535.2519	21962.6582	19.2	0.00077357	no risk	0.00015471	no risk	0.00104888	no risk	0.00056478	no risk	0.00182245	no risk	0.00087421	no risk
Bezafibrate	2.9	42340	211700	3.162	2060039.9	3825788.38	41487.3113	103000.241	89	0.00210203	no risk	0.00042041	no risk	4.3203E-05	no risk	2.3263E-05	no risk	0.00214523	no risk	0.00086408	no risk
Bisoprolol	0.018	262.8	1314	4.418	9151.37375	16995.4084	255.463845	632.547303	43.5	0.16552511	no risk	0.03310502	no risk	0.00475338	no risk	0.00255951	no risk	0.1702785	no risk	0.06876956	no risk
Carazolol	0.1	1460	7300	60.27	3726.81906	6921.23539	1049.03521	2389.74048	1.6	0.00109589	no risk	0.00021918	no risk	0.00042932	no risk	0.00023117	no risk	0.00152521	no risk	0.00066953	no risk
Carbadox	4.25	62050	310250	3.162	3019023.99	5606758.83	60800.37	150948.629	12	0.00019339	no risk	3.8678E-05	no risk	3.9748E-06	no risk	2.1403E-06	no risk	0.00019737	no risk	7.9497E-05	no risk
Carbamazepine	0.34	4964	24820	19.21	39754.9353	73830.5942	4412.974	10624.2041	104.8	0.02111201	no risk	0.0042224	no risk	0.00263615	no risk	0.00141947	no risk	0.02374816	no risk	0.00986427	no risk
Cefixime	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	141.5	0.00339229	no risk	0.00067846	no risk	6.9722E-05	no risk	3.7543E-05	no risk	0.00346201	no risk	0.00139446	no risk
Cephalexin	54.4	794240	3971200	3.162	38643507	71766513.1	778244.736	1932142.45	141.8	0.00017854	no risk	3.5707E-05	no risk	3.6694E-06	no risk	1.9759E-06	no risk	0.0001822	no risk	7.339E-05	no risk
Cetirizine	0.071	1036.6	5183	3.162	50435.4595	93665.8534	1015.72383	2521.73003	37.35	0.03603126	no risk	0.00720625	no risk	0.00074055	no risk	0.00039876	no risk	0.03677181	no risk	0.01481126	no risk
Chloramphenicol	11	160600	803000	1.457	16957922	31493283.7	159093.307	396445.811	93	0.00057908	no risk	0.00011582	no risk	5.4842E-06	no risk	2.953E-06	no risk	0.00058456	no risk	0.00023458	no risk
Cimetidine	28.6	417560	2087800	3.162	20316255.5	37730188.8	409150.725	1015795.48	12.6	3.0175E-05	no risk	6.0351E-06	no risk	6.2019E-07	no risk	3.3395E-07	no risk	3.0795E-05	no risk	1.2404E-05	no risk
Ciprofloxacin	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	107	0.00458048	no risk	0.0009161	no risk	9.4143E-05	no risk	5.0692E-05	no risk	0.00467462	no risk	0.00188288	no risk
Citalopram	0.114	1664.4	8322	3.162	80980.8787	150393.06	1630.88051	4048.97498	3.165	0.00190159	no risk	0.00038032	no risk	3.9083E-05	no risk	2.1045E-05	no risk	0.00194067	no risk	0.00078168	no risk
Clarithromycin	0.2	2920	14600	56.49	7952.39457	14768.7328	2135.77533	4885.27141	83.55	0.02861301	no risk	0.0057226	no risk	0.01050627	no risk	0.00565722	no risk	0.03911928	no risk	0.01710243	no risk
Clavulanic acid	90	1314000	6570000	3.162	63932272.7	118731364	1287537.25	3196559.2	1721.87	0.0013104	no risk	0.00026208	no risk	2.6933E-05	no risk	1.4502E-05	no risk	0.00133734	no risk	0.00053866	no risk
Clofibrate (clofibric acid)	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	2.56	8.1936E-06	no risk	1.6387E-06	no risk	1.684E-07	no risk	9.0678E-08	no risk	8.362E-06	no risk	3.3681E-06	no risk
Clopidogrel	1.071	15636.6	78183	154.2	15600.7183	28972.7626	7809.31928	16639.9915	2.05	0.0001311	no risk	2.6221E-05	no risk	0.0001314	no risk	7.0756E-05	no risk	0.00026251	no risk	0.0001232	no risk
Clotrimazole	1.429	20863.4	104317	6297	509.727465	946.63672	497.570981	929.76225	20.5	0.00098258	no risk	0.00019652	no risk	0.04021757	no risk	0.02165561	no risk	0.04120015	no risk	0.02204865	no risk
Codeine	2	29200	146000	2.832	1586266.84	2945924.13	28672.2021	71234.8016	22.48	0.00076986	no risk	0.00015397	no risk	1.4172E-05	no risk	7.6309E-06	no risk	0.00078403	no risk	0.00031558	no risk
Danofloxacin	600	8760000	43800000	1	1347692308	2502857143	8703427.72	21710037.2	78	8.9041E-06	no risk	1.7808E-06	no risk	5.7877E-08	no risk	3.1164E-08	no risk	8.962E-06	no risk	3.5928E-06	no risk
Dapsone	3.5	51100	255500	3.162	2486255.05	4617330.8	50070.8929	124310.635	2800	0.05479452	no risk	0.0109589	no risk	0.00112619	no risk	0.00060641	no risk	0.05592071	no risk	0.02252422	no risk
Diatrizoic acid	0.89	12994	64970	3.162	632219.141	1174121.26	12732.3128	31610.4187	220	0.01693089	no risk	0.00338618	no risk	0.00034798	no risk	0.00018737	no risk	0.01727887	no risk	0.00695973	no risk
Diazepam	0.16	2336	11680	33.7	10664.2319	19805.0021	1916.24626	4510.08785	11	0.0047089	no risk	0.00094178	no risk	0.00103149	no risk	0.00055542	no risk	0.00574039	no risk	0.00243898	no risk
Diclofenac	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	58.15	0.0024893	no risk	0.00049786	no risk	5.1163E-05	no risk	2.7549E-05	no risk	0.00254046	no risk	0.00102327	no risk
Dilantin (Phenytoin)	0.083	1211.8	6059	15.92	11710.4755	21748.0258	1098.16218	2659.08891	180	0.14853936	no risk	0.02970787	no risk	0.01537085	no risk	0.00827661	no risk	0.16391022	no risk	0.06769236	no risk
Diltiazem	14	204400	1022000	28.08	1119877.27	2079772.08	172851.199	410211.126	10.55	5.1614E-05	no risk	1.0323E-05	no risk	9.4207E-06	no risk	5.0727E-06	no risk	6.1035E-05	no risk	2.5718E-05	no risk
Dimetridazole	0.006	87.6	438	3.162	4262.15151	7915.42423	85.8358165	213.103947	183.4	2.09360731	risk	0.41872146	unknown	0.04302991	no risk	0.02316995	no risk	2.13663722	risk	0.86061287	unknown
Diphenhydramine	0.4	5840	29200	66.76	13458.0818	24993.5804	4072.69481	9216.29896	675	0.11558219	no risk	0.02311644	no risk	0.05015574	no risk	0.02700693	no risk	0.16573793	no risk	0.07323981	no risk
Doxycycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	29	6.621E-05	no risk	1.3242E-05	no risk	1.3608E-06	no risk	7.3275E-07	no risk	6.7571E-05	no risk	2.7217E-05	no risk
Enrofloxacin	6.2	90520	452600	3.162	4404223.23	8179271.71	88697.0103	2202													

Gabapentin	4.286	62575.6	312878	3.162	3044596.9	5654251.38	61315.3849	152227.252	476.5	0.00761479	no risk	0.00152296	no risk	0.00015651	no risk	8.4273E-05	no risk	0.0077713	no risk	0.00313019	no risk	
Gemfibrozil	0.56	8176	40880	3.162	397800.808	738772.929	8011.34287	19889.7017	23	0.00281311	no risk	0.00056262	no risk	5.7818E-05	no risk	3.1133E-05	no risk	0.00287093	no risk	0.00115638	no risk	
Gentamicin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	800	0.00547945	no risk	0.00109589	no risk	0.00011262	no risk	6.0641E-05	no risk	0.00559207	no risk	0.00225242	no risk	
Glibenclamide	0.0214	312.44	1562.2	973.8	49.3609492	91.6703342	42.6265741	82.0418559	3.7	0.01184227	no risk	0.00236845	no risk	0.07495804	no risk	0.04036202	no risk	0.08680031	no risk	0.04509893	no risk	
Glimepiride	0.014	204.4	1022	828.8	37.9417879	70.4633205	32.001503	61.924382	3000	14.6771037	risk	2.93542074	risk	79.0684932	risk	42.5753425	risk	93.7455969	risk	48.446184	risk	
Hydrochlorothiazide	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	258	0.00294521	no risk	0.00058904	no risk	6.0533E-05	no risk	3.2595E-05	no risk	0.00300574	no risk	0.00121068	no risk	
Hydrocortisone	0.287	4190.2	20951	5.361	120247.371	223316.545	4049.10293	10006.1252	50	0.0119326	no risk	0.00238652	no risk	0.00041581	no risk	0.0002239	no risk	0.01234841	no risk	0.00499694	no risk	
Ibuprofen	110	1606000	8030000	3.162	78139444.4	145116111	1573656.64	3906905.69	91	5.6663E-05	no risk	1.1333E-05	no risk	1.1646E-06	no risk	6.2708E-07	no risk	5.7827E-05	no risk	2.3292E-05	no risk	
Indomethacin	0.71	10366	51830	26.26	60729.9783	112784.245	8854.60711	21072.9605	25	0.00241173	no risk	0.00048235	no risk	0.00041166	no risk	0.00022166	no risk	0.00282339	no risk	0.00118635	no risk	
Ioexol	20.6	300760	1503800	3.162	14633386.9	27176289.9	294702.97	731656.883	75	0.00024937	no risk	4.9874E-05	no risk	5.1253E-06	no risk	2.7598E-06	no risk	0.00025449	no risk	0.00010251	no risk	
Iomeprol	1.9	27740	138700	3.162	1349681.31	2506551.01	27181.3419	67482.9164	5300	0.19105984	no risk	0.03821197	no risk	0.00392685	no risk	0.00211446	no risk	0.19498669	no risk	0.0785384	no risk	
Iopamidol	11.4	166440	832200	3.162	8098087.87	15039306	163088.051	404897.498	41650	0.25024033	unknown	0.05004807	no risk	0.00514319	no risk	0.00276941	no risk	0.25538352	unknown	0.10286554	no risk	
Iopromide	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	3000	0.00960184	no risk	0.00192037	no risk	0.00019735	no risk	0.00010626	no risk	0.00979919	no risk	0.003947	no risk	
Iotalamic acid																						
Ioxaglic acid	66.5	970900	4854500	3.162	47238845.9	87729285.3	951346.966	2361902.07	28	2.8839E-05	no risk	5.7678E-06	no risk	5.9273E-07	no risk	3.1916E-07	no risk	2.9432E-05	no risk	1.1855E-05	no risk	
Ioxithalamic acid																						
Irbesartan	2.143	31287.8	156439	1.74	2766383.73	5137569.79	30937.8924	77046.4675	4.8	0.00015341	no risk	3.0683E-05	no risk	1.7351E-06	no risk	9.3429E-07	no risk	0.00015515	no risk	6.23E-05	no risk	
Josamycin	2	29200	146000	17.54	256117.884	475647.5	26211.6139	63287.024	1150	0.03938356	no risk	0.00787671	no risk	0.00449012	no risk	0.00241776	no risk	0.04387368	no risk	0.01817118	no risk	
Ketoprofen	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	122	0.00167123	no risk	0.00033425	no risk	3.4349E-05	no risk	1.8496E-05	no risk	0.00170558	no risk	0.00068699	no risk	
Labetalol	2.857	41712.2	208561	28.2	227562.466	422616.008	35250.7395	83641.8689														
Lamotrigine	11.9	173740	868700	3.162	8453267.16	15698924.7	170241.036	422656.161	800	0.00460458	no risk	0.00092092	no risk	9.4638E-05	no risk	5.0959E-05	no risk	0.00469922	no risk	0.00189279	no risk	
Levamisol	6	87600	438000	7.604	1772346.54	3291500.71	83474.204	205337.846	2.15	2.4543E-05	no risk	4.9087E-06	no risk	1.2131E-06	no risk	6.532E-07	no risk	2.5756E-05	no risk	1.0471E-05	no risk	
Lidocaine	2.857	41712.2	208561	18.92	339178.728	629903.352	37144.2056	89468.9203	90.8	0.00217682	no risk	0.00043536	no risk	0.00026771	no risk	0.00014415	no risk	0.00244453	no risk	0.00101488	no risk	
Lincomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	182.15	0.00049904	no risk	9.9808E-05	no risk	1.0257E-05	no risk	5.5229E-06	no risk	0.0005093	no risk	0.00020514	no risk	
Linezolid	11.428	166848.8	834244	3.174	8087286.12	15019245.7	163476.124	405850.517	0.9	5.3941E-06	no risk	1.0788E-06	no risk	1.1129E-07	no risk	5.9923E-08	no risk	5.5054E-06	no risk	2.2176E-06	no risk	
Loratadine	0.17	2482	12410	1253	304.745534	565.955991	271.419979	518.650089	16.85	0.00678888	no risk	0.00135778	no risk	0.05529203	no risk	0.02977263	no risk	0.06208091	no risk	0.03248818	no risk	
Lorazepam	0.014	204.4	1022	17.54	1792.82519	3329.5325	183.481297	443.009168	460.95	2.25513699	risk	0.4510274	unknown	0.25710817	unknown	0.13844286	no risk	2.51224515	risk	1.04049765	risk	
Losartan	0.42	6132	30660	114.9	8210.48403	15248.0418	3510.31857	7644.45553	72.45	0.01181507	no risk	0.00236301	no risk	0.00882408	no risk	0.00475143	no risk	0.02063915	no risk	0.00947746	no risk	
Meclofenamic acid	2.857	41712.2	208561	56.23	114125.227	211946.851	30547.3107	69892.511	755	0.01810022	no risk	0.00362004	no risk	0.00661554	no risk	0.00356221	no risk	0.02471576	no risk	0.0108023	no risk	
mefenamic acid	47.62	695252	3476260	10	10696184.6	19864342.9	652818.779	1598280.46	59.5	8.558E-05	no risk	1.7116E-05	no risk	5.5627E-06	no risk	2.9953E-06	no risk	9.1143E-05	no risk	3.7228E-05	no risk	
Meloxicam	1.25	18250	91250	85.14	32977.3586	61243.6659	11748.3472	26146.5064	2.1	0.00011507	no risk	2.3014E-05	no risk	6.368E-05	no risk	3.4289E-05	no risk	0.00017875	no risk	8.0317E-05	no risk	
Meprobamate	6.1	89060	445300	3.162	4333187.37	8047347.97	87266.4134	216655.679	100	0.00112284	no risk	0.00022457	no risk	2.3078E-05	no risk	1.2426E-05	no risk	0.00114592	no risk	0.00046156	no risk	
Metformin	79.4	1159240	5796200	3.162	56402471.7	104747447	1135893.97	2820075.56	74	6.3835E-05	no risk	1.2767E-05	no risk	1.312E-06	no risk	7.0646E-07	no risk	6.5147E-05	no risk	2.624E-05	no risk	
Methotrexate	0.143	2087.8	10439	3.162	101581.278	188650.944	2045.75363	5078.97739	31	0.01484817	no risk	0.00296963	no risk	0.00030517	no risk	0.00016432	no risk	0.01515334	no risk	0.00610359	no risk	
Metoprolol	14	204400	1022000	1.252	25116736.3	46645367.4	202750.02	505462.657	56.1	0.00027446	no risk	5.4892E-05	no risk	2.2336E-06	no risk	1.2027E-06	no risk	0.0002767	no risk	0.00011099	no risk	
Metronidazole	0.6	8760	43800	3.162	426215.151	791542.423	8583.58165	21310.3947	51	0.00582192	no risk	0.00116438	no risk	0.00011966	no risk	6.4431E-05	no risk	0.00594158	no risk	0.0023932	no risk	
N-acetylcysteine	25.25	368650	1843250	3.162	17936554.3	33310743.7	361225.728	896812.442	59	0.00016004	no risk	3.2009E-05	no risk	3.2894E-06	no risk	1.7712E-06	no risk	0.00016333	no risk	6.5789E-05	no risk	
Nadolol	0.57	8322	41610	3.162	404904.394	751965.302	8154.40256	20244.8749	1.35	0.00016222	no risk	3.2444E-05	no risk	3.3341E-06	no risk	1.7953E-06	no risk	0.00016555	no risk	6.6684E-05	no risk	
Naladixic acid	500	7300000	36500000	3.162	355179293	659618686	7152984.71	17758662.2	8500	0.00116438	no risk	0.00023288	no risk	2.3932E-05	no risk	1.2886E-05	no risk	0.00118832	no risk	0.00047864	no risk	
Naproxen	46	671600	3358000	3.162	32676494.9	60684919.1	658074.593	1633796.92	141.45	0.00021062	no risk	4.2123E-05	no risk	4.3288E-06	no risk	2.3309E-06	no risk	0.00021495	no risk	8.6577E-05	no risk	
Neomycin	60	876000	4380000	3.162	42621515.1	79154242.3	858358.165	2131039.47	400	0.00045662	no risk	9.1324E-05	no risk	9.3849E-06	no risk	5.0534E-06	no risk	0.00046601	no risk	0.0001877	no risk	
Niflumic acid	14.286	208575.6	1042878	3.162	10148182.7	18846625.1	204375.079	507400.497	72	0.0003452	no risk	6.904E-05	no risk	7.0949E-06	no risk	3.8203E-06	no risk	0.00035229	no risk	0.0001419	no risk	
Norfloxacin	190	2774000	13870000	3.162	134968131	250655101	2718134.19	6748291.64	50	1.8025E-05	no risk	3.6049E-06	no risk	3.7046E-07	no risk	1.9948E-07	no risk	1.8395E-05	no risk	7.4093E-06	no risk	
Ofloxacin	4.5	65700	328500	3.162	3196613.63	5936568.18	64376.8623	159827.96	148	0.00225266	no risk	0.00045053	no risk	4.6299E-05	no risk	2.493E-05	no risk	0.00229896	no risk	0.000926	no risk	
Olanzapine	1.4	20440	102200	44.3	70984.5459	131828.442	15870.1813	36825.5112	32.45	0.00158757	no risk	0.00031751	no risk	0.00045714	no risk	0.00024615	no risk	0.00204472	no risk	0.00088118	no risk	
Oxacillin	21.429	312863.4	1564317	3.162	15222274.1	28269937.7	306562.619	761100.745	133.2	0.00042574	no risk	8.5149E-05	no risk	8.7503E-06	no risk	4.7117E-06	no risk	0.0004345	no risk	0.00017501	no risk	
Oxazepam	0.429	6263.4	31317	13.96	69025.788	128190.749	5742.34006	13954.0168	45	0.0071846	no risk	0.00143692	no risk	0.00065193	no risk	0.00035104	no risk	0.00783653	no risk	0.00322488	no risk	
Oxytetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73														
Paromomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	1100	0.0030137	no risk	0.00060274	no risk	6.1941E-05	no risk	3.3353E-05	no risk	0.00307564	no risk	0.00123883	no risk	
Penicillin	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	41.5	0.00047374	no risk	9.4749E-05	no risk	9.7369E-06	no risk	5.2429E-06	no risk	0.00048348	no risk	0.00019474	no risk	
Phenazon	36	525600	2628000	3.162	25572909.1	47492545.4	515014.899	1278623.68	2.95	5.6126E-06												

Sertraline	0.357	5212.2	26061	1429	561.145503	1042.12736	506.604461	964.954179	1.45	0.00027819	no risk	5.5639E-05	no risk	0.002584	no risk	0.00139138	no risk	0.00286219	no risk	0.00150266	no risk
Sildenafil	0.3	4380	21900	30.3	22239.147	41301.273	3659.30072	8655.27122	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Sisomicin	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	400	0.00958952	no risk	0.0019179	no risk	0.00019709	no risk	0.00010613	no risk	0.00978661	no risk	0.00394194	no risk
Sotalol	1.14	16644	83220	3.162	809808.787	1503930.6	16308.8051	40489.7498	8	0.00048065	no risk	9.6131E-05	no risk	9.8789E-06	no risk	5.3194E-06	no risk	0.00049053	no risk	0.00019758	no risk
Spiramycin	750	10950000	54750000	1	1684615385	3128571429	10879284.6	27137546.5	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Streptomycin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	2050	0.0140411	no risk	0.00280822	no risk	0.00028859	no risk	0.00015539	no risk	0.01432968	no risk	0.00577183	no risk
Sulfacetamide	82.5	1204500	6022500	3.162	58604583.3	108837083	1180242.48	2930179.27	1600	0.00132835	no risk	0.00026567	no risk	2.7302E-05	no risk	1.4701E-05	no risk	0.00135565	no risk	0.00054604	no risk
Sulfadiazine	20	292000	1460000	3.162	14207171.7	26384747.4	286119.388	710346.489	8.5	2.911E-05	no risk	5.8219E-06	no risk	5.9829E-07	no risk	3.2216E-07	no risk	2.9708E-05	no risk	1.1966E-05	no risk
Sulfameter	0.31	4526	22630	3.162	220211.161	408963.585	4434.85052	11010.3706	65	0.01436147	no risk	0.00287229	no risk	0.00029517	no risk	0.00015894	no risk	0.01465664	no risk	0.00590353	no risk
Sulfamerazine	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	4500	0.00616438	no risk	0.00123288	no risk	0.0001267	no risk	6.8221E-05	no risk	0.00629108	no risk	0.00253397	no risk
Sulfamethazine	9.5	138700	693500	3.162	6748406.56	12532755	135906.709	337414.582	901.5	0.00649964	no risk	0.00129993	no risk	0.00013359	no risk	7.1932E-05	no risk	0.00663323	no risk	0.00267179	no risk
Sulfamethoxazole	130	1898000	9490000	3.162	92346616.1	171500858	1859776.02	4617252.18	60	3.1612E-05	no risk	6.3224E-06	no risk	6.4973E-07	no risk	3.4985E-07	no risk	3.2262E-05	no risk	1.2995E-05	no risk
Sulfamethizole	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	205.5	0.00281507	no risk	0.00056301	no risk	5.7858E-05	no risk	3.1154E-05	no risk	0.00287293	no risk	0.00115718	no risk
Sulfamethoxypridazine	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	5	6.8493E-05	no risk	1.3699E-05	no risk	1.4077E-06	no risk	7.5801E-07	no risk	6.9901E-05	no risk	2.8155E-05	no risk
Sulfamoxole	76	1109600	5548000	2.226	76688091.8	142420742	1093774.18	2721001.69	550	0.00049567	no risk	9.9135E-05	no risk	7.1719E-06	no risk	3.8618E-06	no risk	0.00050285	no risk	0.00020213	no risk
Sulfaphenazole	15.08	220168	1100840	4.676	7243798.12	13452767.9	213673.604	528784.771	800	0.00363359	no risk	0.00072672	no risk	0.00011044	no risk	5.9467E-05	no risk	0.00374403	no risk	0.0015129	no risk
Sulfapyridine	4.8	70080	350400	3.162	3409721.21	6332339.39	68668.6532	170483.157	300	0.00428082	no risk	0.00085616	no risk	8.7984E-05	no risk	4.7376E-05	no risk	0.00436881	no risk	0.0017597	no risk
Sulfathiazole	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	2051.5	0.00281027	no risk	0.00056205	no risk	5.776E-05	no risk	3.1101E-05	no risk	0.00286803	no risk	0.00115521	no risk
Sulfisoxazole	667	9738200	48691000	2.155	695213279	1291110375	9603676.5	23894931.2	400	4.1075E-05	no risk	8.2151E-06	no risk	5.7536E-07	no risk	3.0981E-07	no risk	4.1651E-05	no risk	1.674E-05	no risk
Tamsulosin	5.714	83424.4	417122	19.72	650837.884	1208698.93	73946.0015	177869.6	2.1	2.5172E-05	no risk	5.0345E-06	no risk	3.2266E-06	no risk	1.7374E-06	no risk	2.8399E-05	no risk	1.1806E-05	no risk
Tenoxicam	0.286	4175.6	20878	17.74	36211.9504	67250.765	3743.89183	9036.33491	2.1	0.00050292	no risk	0.00010058	no risk	5.7992E-05	no risk	3.1226E-05	no risk	0.00056091	no risk	0.0002324	no risk
Terbutalin	0.13	1898	9490	3.162	92346.6161	171500.858	1859.77602	4617.25218													
Tetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	62.5	0.00014269	no risk	2.8539E-05	no risk	2.9328E-06	no risk	1.5792E-06	no risk	0.00014563	no risk	5.8657E-05	no risk
Theophylline	4.285	62561	312805	3.162	3043886.54	5652932.14	61301.0789	152191.735	40	0.00063938	no risk	0.00012788	no risk	1.3141E-05	no risk	7.076E-06	no risk	0.00065252	no risk	0.00026283	no risk
Thiabendazole	100	1460000	7300000	19.8	11344211.3	21067821.1	1293523.52	3111016.41	5.9	4.0411E-06	no risk	8.0822E-07	no risk	5.2009E-07	no risk	2.8005E-07	no risk	4.5612E-06	no risk	1.8965E-06	no risk
Thiamphenicol	2.5	36500	182500	3.162	1775896.46	3298093.43	35764.9235	88793.3111	53.02	0.0014526	no risk	0.00029052	no risk	2.9855E-05	no risk	1.6076E-05	no risk	0.00148246	no risk	0.00059712	no risk
Timolol	0.28	4088	20440	4.158	151256.151	280904.281	3980.42116	9861.22402	0.3	7.3386E-05	no risk	1.4677E-05	no risk	1.9834E-06	no risk	1.068E-06	no risk	7.5369E-05	no risk	3.0422E-05	no risk
Tramadol	4.286	62575.6	312878	25.25	381267.936	708069.024	53753.334	128130.228	289.5	0.0046264	no risk	0.00092528	no risk	0.00075931	no risk	0.00040886	no risk	0.00538571	no risk	0.00225942	no risk
Trazodone	1.071	15636.6	78183	61.16	39333.4004	73047.7436	11188.6601	25464.2869	1.1	7.0348E-05	no risk	1.407E-05	no risk	2.7966E-05	no risk	1.5059E-05	no risk	9.8314E-05	no risk	4.3198E-05	no risk
Trimethoprim	4.2	61320	306600	3.162	2983506.06	5540796.96	60085.0715	149172.763	114	0.0018591	no risk	0.00037182	no risk	3.821E-05	no risk	2.0575E-05	no risk	0.00189731	no risk	0.00076421	no risk
Valsartan	1.143	16687.8	83439	3.162	811939.863	1507888.32	16351.723	40596.3018	70	0.00419468	no risk	0.00083894	no risk	8.6213E-05	no risk	4.6423E-05	no risk	0.00428089	no risk	0.00172429	no risk
Venlafaxine	0.535	7811	39055	67	17935.7061	33309.1684	5441.30965	12310.4807	25.4	0.00325182	no risk	0.00065036	no risk	0.00141617	no risk	0.00076255	no risk	0.00466799	no risk	0.00206328	no risk
Xylazine	0.17	2482	12410	442.7	862.539313	1601.85872	640.094905	1273.17961	3.8	0.00153102	no risk	0.0003062	no risk	0.0044056	no risk	0.00237224	no risk	0.00593662	no risk	0.00298465	no risk

	not in SW	Drinking Water		Chemspider	Consumption of fish		Combined (DW+F)		Mean	Human Health Risk (7 not found)											
	ADI not found	Concentration(ng/L)		EPI suite	(ng/L)		(ng/L)		MEC	Drinking water				Fish				Combined			
Compound(150)	ADI (mcg/Kg bw/d)	Children	Adult	BCF (L/kg)	Children	Adult	Children	Adult	ng/l	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome	Children	Outcome	Adult	Outcome
17β estradiol	0.05	730	3650	205.5	546.509452	1014.94612	312.533448	652.22247	345001.075	472.604212	risk	94.5208425	risk	631.281077	risk	339.92058	risk	1103.88529	risk	528.962265	risk
Acebutolol	5.714	83424.4	417122	0.9007	14249498.3	26463353.9	82938.8305	206930.158													
Acetaminophen	340	4964000	24820000	3.162	241521919	448540707	4864029.6	12075890.3	8048.24619	0.00162132	no risk	0.00032426	no risk	3.3323E-05	no risk	1.7943E-05	no risk	0.00165465	no risk	0.00066647	no risk
Acetylsalicylic acid (Aspirin)	7	102200	511000	3.162	4972510.1	9234661.61	100141.786	248621.271	109	0.00106654	no risk	0.00021331	no risk	2.1921E-05	no risk	1.1803E-05	no risk	0.00108846	no risk	0.00043842	no risk
Albendazole	25.4	370840	1854200	49.27	1157952.26	2150482.76	280885.132	647817.694	35.2	9.492E-05	no risk	1.8984E-05	no risk	3.0398E-05	no risk	1.6368E-05	no risk	0.00012532	no risk	5.4336E-05	no risk
Albuterol	2.8	40880	204400	3.162	1989004.04	3693864.64	40056.7143	99448.5084	0.2	4.8924E-06	no risk	9.7847E-07	no risk	1.0055E-07	no risk	5.4144E-08	no risk	4.9929E-06	no risk	2.0111E-06	no risk
Alprazolam	0.04	584	2920	11.64	7718.74174	14334.8061	542.922485	1325.04424	354.95	0.6077911	unknown	0.12155822	no risk	0.04598547	no risk	0.02476141	no risk	0.65377657	unknown	0.26787785	unknown
Amikacin (Kanamycin B)	8	116800	584000	3.162	5682868.68	10553899	114447.755	284138.595	725	0.00620719	no risk	0.00124144	no risk	0.00012758	no risk	6.8695E-05	no risk	0.00633477	no risk	0.00255157	no risk
Amitriptyline	0.429	6263.4	31317	818.9	1176.70045	2185.30084	990.597594	1917.67065	16.9	0.00269822	no risk	0.00053964	no risk	0.01436219	no risk	0.00773349	no risk	0.01706041	no risk	0.00881278	no risk
Amlodipine	0.08	1168	5840	44.3	4056.25977	7533.05385	906.867503	2104.31493	2.1	0.00179795	no risk	0.00035959	no risk	0.00051772	no risk	0.00027877	no risk	0.00231566	no risk	0.00099795	no risk
Amoxicillin	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	90.8571429	0.0002908	no risk	5.816E-05	no risk	5.9768E-06	no risk	3.2183E-06	no risk	0.00029678	no risk	0.00011954	no risk
Ampicillin	3	43800	219000	3.162	2131075.76	3957712.12	42917.9082	106551.973	23.36	0.00053333	no risk	0.00010667	no risk	1.0962E-05	no risk	5.9024E-06	no risk	0.00054429	no risk	0.00021924	no risk
Atenolol	2.7	39420	197100	3.162	1917968.18	3561940.91	38626.1174	95896.776	573.33	0.01454414	no risk	0.00290883	no risk	0.00029893	no risk	0.00016096	no risk	0.01484307	no risk	0.00597862	no risk
Atorvastatin	0.53	7738	38690	56.23	21171.2883	39318.1068	5666.80947	12965.7091	220.5275	0.02849929	no risk	0.00569986	no risk	0.01041635	no risk	0.00560888	no risk	0.03891564	no risk	0.01700852	no risk
Azithromycin	1.7	24820	124100	208.6	18305.1847	33995.3431	10535.2519	21962.6582	62.17	0.00250483	no risk	0.00050097	no risk	0.00339631	no risk	0.00182878	no risk	0.00590114	no risk	0.00283071	no risk
Bezafibrate	2.9	42340	211700	3.162	2060039.9	3825788.38	41487.3113	103000.241	320.65	0.00757322	no risk	0.00151464	no risk	0.00015565	no risk	8.3813E-05	no risk	0.00772887	no risk	0.0031131	no risk
Bisoprolol	0.018	262.8	1314	4.418	9151.37375	16995.4084	255.463845	632.547303	43.5	0.16552511	no risk	0.03310502	no risk	0.00475338	no risk	0.00255951	no risk	0.1702785	no risk	0.06876956	no risk
Carazolol	0.1	1460	7300	60.27	3726.81906	6921.23539	1049.03521	2389.74048	1.6	0.00109589	no risk	0.00021918	no risk	0.00042932	no risk	0.00023117	no risk	0.00152521	no risk	0.00066953	no risk
Carbadox	4.25	62050	310250	3.162	3019023.99	5606758.83	60800.37	150948.629	12	0.00019339	no risk	3.8678E-05	no risk	3.9748E-06	no risk	2.1403E-06	no risk	0.00019737	no risk	7.9497E-05	no risk
Carbamazepine	0.34	4964	24820	19.21	39754.9353	73830.5942	4412.974	10624.2041	629.87	0.12688759	no risk	0.02537752	no risk	0.01584382	no risk	0.00853129	no risk	0.14273141	no risk	0.05928632	no risk
Cefixime	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	141.5	0.00339229	no risk	0.00067846	no risk	6.9722E-05	no risk	3.7543E-05	no risk	0.00346201	no risk	0.00139446	no risk
Cephalexin	54.4	794240	3971200	3.162	38643507	71766513.1	778244.736	1932142.45	102.68	0.00012928	no risk	2.5856E-05	no risk	2.6571E-06	no risk	1.4308E-06	no risk	0.00013194	no risk	5.3143E-05	no risk
Cetirizine	0.071	1036.6	5183	3.162	50435.4595	93665.8534	1015.72383	2521.73003	108.71	0.1048717	no risk	0.02097434	no risk	0.00215543	no risk	0.00116062	no risk	0.10702712	no risk	0.04310929	no risk
Chloramphenicol	11	160600	803000	1.457	16957922	31493283.7	159093.307	396445.811	2666.1	0.01660087	no risk	0.00332017	no risk	0.00015722	no risk	8.4656E-05	no risk	0.01675809	no risk	0.006725	no risk
Cimetidine	28.6	417560	2087800	3.162	20316255.5	37730188.8	409150.725	1015795.48	135.57	0.00032467	no risk	6.4934E-05	no risk	6.673E-06	no risk	3.5931E-06	no risk	0.00033134	no risk	0.00013346	no risk
Ciprofloxacin	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	204.247059	0.00874345	no risk	0.00174869	no risk	0.0001797	no risk	9.6764E-05	no risk	0.00892316	no risk	0.00359414	no risk
Citalopram	0.114	1664.4	8322	3.162	80980.8787	150393.06	1630.88051	4048.97498	5.02	0.0030161	no risk	0.00060322	no risk	6.199E-05	no risk	3.3379E-05	no risk	0.00307809	no risk	0.00123982	no risk
Clarithromycin	0.2	2920	14600	56.49	7952.39457	14768.7328	2135.77533	4885.27141	205.97	0.07053767	no risk	0.01410753	no risk	0.02590037	no risk	0.01394636	no risk	0.09643805	no risk	0.04216142	no risk
Clavulanic acid	90	1314000	6570000	3.162	63932272.7	118731364	1287537.25	3196559.2	12056.71	0.00917558	no risk	0.00183512	no risk	0.00018859	no risk	0.00010155	no risk	0.00936416	no risk	0.00377178	no risk
Clofibrate (clofibric acid)	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	25.52	8.168E-05	no risk	1.6336E-05	no risk	1.6788E-06	no risk	9.0395E-07	no risk	8.3358E-05	no risk	3.3576E-05	no risk
Clopidogrel	1.071	15636.6	78183	154.2	15600.7183	28972.7626	7809.31928	16639.9915	2.05	0.0001311	no risk	2.6221E-05	no risk	0.0001314	no risk	7.0756E-05	no risk	0.00026251	no risk	0.0001232	no risk
Clotrimazole	1.429	20863.4	104317	6297	509.727465	946.63672	497.570981	929.76225	20.5	0.00098258	no risk	0.00019652	no risk	0.04021757	no risk	0.02165561	no risk	0.04120015	no risk	0.02204865	no risk
Codeine	2	29200	146000	2.832	1586266.84	2945924.13	28672.2021	71234.8016	80.24	0.00274795	no risk	0.00054959	no risk	5.0584E-05	no risk	2.7238E-05	no risk	0.00279853	no risk	0.00112642	no risk
Danofloxacin	600	8760000	43800000	1	1347692308	2502857143	8703427.72	21710037.2	78	8.9041E-06	no risk	1.7808E-06	no risk	5.7877E-08	no risk	3.1164E-08	no risk	8.962E-06	no risk	3.5928E-06	no risk
Dapsone	3.5	51100	255500	3.162	2486255.05	4617330.8	50070.8929	124310.635	2800	0.05479452	no risk	0.0109589	no risk	0.00112619	no risk	0.00060641	no risk	0.05592071	no risk	0.02252422	no risk
Diatrizoic acid	0.89	12994	64970	3.162	632219.141	1174121.26	12732.3128	31610.4187	327.5	0.02520394	no risk	0.00504079	no risk	0.00051802	no risk	0.00027893	no risk	0.02572196	no risk	0.01036051	no risk
Diazepam	0.16	2336	11680	33.7	10664.2319	19805.0021	1916.24626	4510.08785	11	0.0047089	no risk	0.00094178	no risk	0.00103149	no risk	0.00055542	no risk	0.00574039	no risk	0.00243898	no risk
Diclofenac	1.6	23360	116800	3.162	1136573.74	2110779.8	22889.5511	56827.7191	619.59	0.02652354	no risk	0.00530471	no risk	0.00054514	no risk	0.00029354	no risk	0.02706868	no risk	0.01090295	no risk
Dilantin (Phenytoin)	0.083	1211.8	6059	15.92	11710.4755	21748.0258	1098.16218	2659.08891	180	0.14853936	no risk	0.02970787	no risk	0.01537085	no risk	0.00827661	no risk	0.16391022	no risk	0.06769236	no risk
Diltiazem	14	204400	1022000	28.08	1119877.27	2079772.08	172851.199	410211.126	96.7	0.00047309	no risk	9.4618E-05	no risk	8.6349E-05	no risk	4.6495E-05	no risk	0.00055944	no risk	0.00023573	no risk
Dimetridazole	0.006	87.6	438	3.162	4262.15151	7915.42423	85.8358165	213.103947	183.4	2.09360731	risk	0.41872146	unknown	0.04302991	no risk	0.02316995	no risk	2.13663722	risk	0.86061287	unknown
Diphenhydramine	0.4	5840	29200	66.76	13458.0818	24993.5804	4072.69481	9216.29896	675	0.11558219	no risk	0.02311644	no risk	0.05015574	no risk	0.02700693	no risk	0.16573793	no risk	0.07323981	no risk
Doxycycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	29	6.621E-05	no risk	1.3242E-05	no risk	1.3608E-06	no risk	7.3275E-07	no risk	6.7571E-05	no risk	2.7217E-05	no risk
Enrofloxacin	6.2	90520	452600	3.162																	

Gabapentin	4.286	62575.6	312878	3.162	3044596.9	5654251.38	61315.3849	152227.252	979.74	0.0156569	no risk	0.00313138	no risk	0.0003218	no risk	0.00017327	no risk	0.0159787	no risk	0.00643604	no risk	
Gemfibrozil	0.56	8176	40880	3.162	397800.808	738772.929	8011.34287	19889.7017	591.97	0.07240338	no risk	0.01448068	no risk	0.00148811	no risk	0.00080129	no risk	0.07389148	no risk	0.02976264	no risk	
Gentamicin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	800	0.00547945	no risk	0.00109589	no risk	0.00011262	no risk	6.0641E-05	no risk	0.00559207	no risk	0.00225242	no risk	
Glibenclamide	0.0214	312.44	1562.2	973.8	49.3609492	91.6703342	42.6265741	82.0418559	6.67	0.0213481	no risk	0.00426962	no risk	0.13512706	no risk	0.07276073	no risk	0.15647516	no risk	0.08129996	no risk	
Glimepiride	0.014	204.4	1022	828.8	37.9417879	70.4633205	32.001503	61.924382	12333.33	60.3391879	risk	12.0678376	risk	325.059273	risk	175.031916	risk	385.398461	risk	199.167591	risk	
Hydrochlorothiazide	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	654.23	0.00746838	no risk	0.00149368	no risk	0.0001535	no risk	8.2653E-05	no risk	0.00762188	no risk	0.00307	no risk	
Hydrocortisone	0.287	4190.2	20951	5.361	120247.371	223316.545	4049.10293	10006.1252	50	0.0119326	no risk	0.00238652	no risk	0.00041581	no risk	0.0002239	no risk	0.01234841	no risk	0.00499694	no risk	
Ibuprofen	110	1606000	8030000	3.162	78139444.4	145116111	1573656.64	3906905.69	515.65	0.00032108	no risk	6.4215E-05	no risk	6.5991E-06	no risk	3.5534E-06	no risk	0.00032768	no risk	0.00013198	no risk	
Indomethacin	0.71	10366	51830	26.26	60729.9783	112784.245	8854.60711	21072.9605	26.23	0.00253039	no risk	0.00050608	no risk	0.00043191	no risk	0.00023257	no risk	0.0029623	no risk	0.00124472	no risk	
Iohexol	20.6	300760	1503800	3.162	14633386.9	27176289.9	294702.97	731656.883	4770.89	0.01586278	no risk	0.00317256	no risk	0.00032603	no risk	0.00017555	no risk	0.01618881	no risk	0.00652067	no risk	
Iomeprol	1.9	27740	138700	3.162	1349681.31	2506551.01	27181.3419	67482.9164	4350	0.15681327	no risk	0.03136265	no risk	0.00322298	no risk	0.00173545	no risk	0.16003625	no risk	0.06446076	no risk	
Iopamidol	11.4	166440	832200	3.162	8098087.87	15039306	163088.051	404897.498	40350	0.2424297	unknown	0.04848594	no risk	0.00498266	no risk	0.00268297	no risk	0.24741236	unknown	0.09965485	no risk	
Iopromide	21.4	312440	1562200	3.162	15201673.7	28231679.8	306147.745	760070.743	2875.14	0.00920221	no risk	0.00184044	no risk	0.00018913	no risk	0.00010184	no risk	0.00939135	no risk	0.00378273	no risk	
Iotalamic acid																						
Ioxaglic acid	66.5	970900	4854500	3.162	47238845.9	87729285.3	951346.966	2361902.07	28	2.8839E-05	no risk	5.7678E-06	no risk	5.9273E-07	no risk	3.1916E-07	no risk	2.9432E-05	no risk	1.1855E-05	no risk	
Ioxithalamic acid																						
Irbesartan	2.143	31287.8	156439	1.74	2766383.73	5137569.79	30937.8924	77046.4675	4.8	0.00015341	no risk	3.0683E-05	no risk	1.7351E-06	no risk	9.3429E-07	no risk	0.00015515	no risk	6.23E-05	no risk	
Josamycin	2	29200	146000	17.54	256117.884	475647.5	26211.6139	63287.024	1150	0.03938356	no risk	0.00787671	no risk	0.00449012	no risk	0.00241776	no risk	0.04387368	no risk	0.01817118	no risk	
Ketoprofen	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	184.96	0.0025337	no risk	0.00050674	no risk	5.2075E-05	no risk	2.804E-05	no risk	0.00258577	no risk	0.00104152	no risk	
Labetalol	2.857	41712.2	208561	28.2	227562.466	422616.008	35250.7395	83641.8689														
Lamotrigine	11.9	173740	868700	3.162	8453267.16	15698924.7	170241.036	422656.161	800	0.00460458	no risk	0.00092092	no risk	9.4638E-05	no risk	5.0959E-05	no risk	0.00469922	no risk	0.00189279	no risk	
Levamisol	6	87600	438000	7.604	1772346.54	3291500.71	83474.204	205337.846	2.15	2.4543E-05	no risk	4.9087E-06	no risk	1.2131E-06	no risk	6.532E-07	no risk	2.5756E-05	no risk	1.0471E-05	no risk	
Lidocaine	2.857	41712.2	208561	18.92	339178.728	629903.352	37144.2056	89468.9203	127.8	0.00306385	no risk	0.00061277	no risk	0.00037679	no risk	0.00020289	no risk	0.00344064	no risk	0.00142843	no risk	
Lincomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	182.15	0.00049904	no risk	9.9808E-05	no risk	1.0257E-05	no risk	5.5229E-06	no risk	0.0005093	no risk	0.00020514	no risk	
Linezolid	11.428	166848.8	834244	3.174	8087286.12	15019245.7	163476.124	405850.517	0.9	5.3941E-06	no risk	1.0788E-06	no risk	1.1129E-07	no risk	5.9923E-08	no risk	5.5054E-06	no risk	2.2176E-06	no risk	
Loratadine	0.17	2482	12410	1253	304.745534	565.955991	271.419979	518.650089	23.53	0.00948026	no risk	0.00189605	no risk	0.07721196	no risk	0.04157567	no risk	0.08669222	no risk	0.04536777	no risk	
Lorazepam	0.014	204.4	1022	17.54	1792.82519	3329.5325	183.481297	443.009168	461	2.2553816	risk	0.45107632	unknown	0.25713606	unknown	0.13845788	no risk	2.51251766	risk	1.04061052	risk	
Losartan	0.42	6132	30660	114.9	8210.48403	15248.0418	3510.31857	7644.45553	72.45	0.01181507	no risk	0.00236301	no risk	0.00882408	no risk	0.00475143	no risk	0.02063915	no risk	0.00947746	no risk	
Meclofenamic acid	2.857	41712.2	208561	56.23	114125.227	211946.851	30547.3107	69892.511	755	0.01810022	no risk	0.00362004	no risk	0.00661554	no risk	0.00356221	no risk	0.02471576	no risk	0.0108023	no risk	
mefenamic acid	47.62	695252	3476260	10	10696184.6	19864342.9	652818.779	1598280.46	308.93	0.00044434	no risk	8.8868E-05	no risk	2.8882E-05	no risk	1.5552E-05	no risk	0.00047322	no risk	0.00019329	no risk	
Meloxicam	1.25	18250	91250	85.14	32977.3586	61243.6659	11748.3472	26146.5064	2.1	0.00011507	no risk	2.3014E-05	no risk	6.368E-05	no risk	3.4289E-05	no risk	0.00017875	no risk	8.0317E-05	no risk	
Meprobamate	6.1	89060	445300	3.162	4333187.37	8047347.97	87266.4134	216655.679	100	0.00112284	no risk	0.00022457	no risk	2.3078E-05	no risk	1.2426E-05	no risk	0.00114592	no risk	0.00046156	no risk	
Metformin	79.4	1159240	5796200	3.162	56402471.7	104747447	1135893.97	2820075.56	1218.69417	0.00105129	no risk	0.00021026	no risk	2.1607E-05	no risk	1.1635E-05	no risk	0.00107289	no risk	0.00043215	no risk	
Methotrexate	0.143	2087.8	10439	3.162	101581.278	188650.944	2045.75363	5078.97739	31	0.01484817	no risk	0.00296963	no risk	0.00030517	no risk	0.00016432	no risk	0.01515334	no risk	0.00610359	no risk	
Metoprolol	14	204400	1022000	1.252	25116736.3	46645367.4	202750.02	505462.657	4873.66	0.02384374	no risk	0.00476875	no risk	0.00019404	no risk	0.00010448	no risk	0.02403778	no risk	0.00964198	no risk	
Metronidazole	0.6	8760	43800	3.162	426215.151	791542.423	8583.58165	21310.3947	84.68	0.00966667	no risk	0.00193333	no risk	0.00019868	no risk	0.00010698	no risk	0.00986535	no risk	0.00397365	no risk	
N-acetylcysteine	25.25	368650	1843250	3.162	17936554.3	33310743.7	361225.728	896812.442	59	0.00016004	no risk	3.2009E-05	no risk	3.2894E-06	no risk	1.7712E-06	no risk	0.00016333	no risk	6.5789E-05	no risk	
Nadolol	0.57	8322	41610	3.162	404904.394	751965.302	8154.40256	20244.8749	1.35	0.00016222	no risk	3.2444E-05	no risk	3.3341E-06	no risk	1.7953E-06	no risk	0.00016555	no risk	6.6684E-05	no risk	
Naladixic acid	500	7300000	36500000	3.162	355179293	659618686	7152984.71	17758662.2	8500	0.00116438	no risk	0.00023288	no risk	2.3932E-05	no risk	1.2886E-05	no risk	0.00118832	no risk	0.00047864	no risk	
Naproxen	46	671600	3358000	3.162	32676494.9	60684919.1	658074.593	1633796.92	531.05	0.00079072	no risk	0.00015814	no risk	1.6252E-05	no risk	8.7509E-06	no risk	0.00080698	no risk	0.00032504	no risk	
Neomycin	60	876000	4380000	3.162	42621515.1	79154242.3	858358.165	2131039.47	400	0.00045662	no risk	9.1324E-05	no risk	9.3849E-06	no risk	5.0534E-06	no risk	0.00046601	no risk	0.0001877	no risk	
Niflumic acid	14.286	208575.6	1042878	3.162	10148182.7	18846625.1	204375.079	507400.497	72	0.0003452	no risk	6.904E-05	no risk	7.0949E-06	no risk	3.8203E-06	no risk	0.00035229	no risk	0.0001419	no risk	
Norfloxacin	190	2774000	13870000	3.162	134968131	250655101	2718134.19	6748291.64	4181.76	0.00150748	no risk	0.0003015	no risk	3.0983E-05	no risk	1.6683E-05	no risk	0.00153847	no risk	0.00061968	no risk	
Ofloxacin	4.5	65700	328500	3.162	3196613.63	5936568.18	64376.8623	159827.96	240.49	0.00366043	no risk	0.00073209	no risk	7.5233E-05	no risk	4.051E-05	no risk	0.00373566	no risk	0.00150468	no risk	
Olanzapine	1.4	20440	102200	44.3	70984.5459	131828.442	15870.1813	36825.5112	32.45	0.00158757	no risk	0.00031751	no risk	0.00045714	no risk	0.00024615	no risk	0.00204472	no risk	0.00088118	no risk	
Oxacillin	21.429	312863.4	1564317	3.162	15222274.1	28269937.7	306562.619	761100.745	133.2	0.00042574	no risk	8.5149E-05	no risk	8.7503E-06	no risk	4.7117E-06	no risk	0.0004345	no risk	0.00017501	no risk	
Oxazepam	0.429	6263.4	31317	13.96	69025.788	128190.749	5742.34006	13954.0168	49.5	0.00790306	no risk	0.00158061	no risk	0.00071712	no risk	0.00038614	no risk	0.00862018	no risk	0.00354737	no risk	
Oxytetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73														
Paromomycin	25	365000	1825000	3.162	17758964.6	32980934.3	357649.235	887933.111	1100	0.0030137	no risk	0.00060274	no risk	6.1941E-05	no risk	3.3353E-05	no risk	0.00307564	no risk	0.00123883	no risk	
Penicillin	6	87600	438000	3.162	4262151.51	7915424.23	85835.8165	213103.947	36.68	0.00041872	no risk	8.3744E-05	no risk	8.606E-06	no risk	4.634E-06	no risk	0.00042733	no risk	0.00017212	no risk	
Phenazon	36	525600	2628000	3.162	25572909.1	47492545.4	5															

Sertraline	0.357	5212.2	26061	1429	561.145503	1042.12736	506.604461	964.954179	1.45	0.00027819	no risk	5.5639E-05	no risk	0.002584	no risk	0.00139138	no risk	0.00286219	no risk	0.00150266	no risk
Sildenafil	0.3	4380	21900	30.3	22239.147	41301.273	3659.30072	8655.27122	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Sisomicin	2.857	41712.2	208561	3.162	2029494.48	3769061.17	40872.1546	101472.996	400	0.00958952	no risk	0.0019179	no risk	0.00019709	no risk	0.00010613	no risk	0.00978661	no risk	0.00394194	no risk
Sotalol	1.14	16644	83220	3.162	809808.787	1503930.6	16308.8051	40489.7498	17.77	0.00106765	no risk	0.00021353	no risk	2.1943E-05	no risk	1.1816E-05	no risk	0.0010896	no risk	0.00043888	no risk
Spiramycin	750	10950000	54750000	1	1684615385	3128571429	10879284.6	27137546.5	0	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk	0	no risk
Streptomycin	10	146000	730000	3.162	7103585.85	13192373.7	143059.694	355173.244	2050	0.0140411	no risk	0.00280822	no risk	0.00028859	no risk	0.00015539	no risk	0.01432968	no risk	0.00577183	no risk
Sulfacetamide	82.5	1204500	6022500	3.162	58604583.3	108837083	1180242.48	2930179.27	1600	0.00132835	no risk	0.00026567	no risk	2.7302E-05	no risk	1.4701E-05	no risk	0.00135565	no risk	0.00054604	no risk
Sulfadiazine	20	292000	1460000	3.162	14207171.7	26384747.4	286119.388	710346.489	8.5	2.911E-05	no risk	5.8219E-06	no risk	5.9829E-07	no risk	3.2216E-07	no risk	2.9708E-05	no risk	1.1966E-05	no risk
Sulfameter	0.31	4526	22630	3.162	220211.161	408963.585	4434.85052	11010.3706	65	0.01436147	no risk	0.00287229	no risk	0.00029517	no risk	0.00015894	no risk	0.01465664	no risk	0.00590353	no risk
Sulfamerazine	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	4500	0.00616438	no risk	0.00123288	no risk	0.0001267	no risk	6.8221E-05	no risk	0.00629108	no risk	0.00253397	no risk
Sulfamethazine	9.5	138700	693500	3.162	6748406.56	12532755	135906.709	337414.582	901.5	0.00649964	no risk	0.00129993	no risk	0.00013359	no risk	7.1932E-05	no risk	0.00663323	no risk	0.00267179	no risk
Sulfamethoxazole	130	1898000	9490000	3.162	92346616.1	171500858	1859776.02	4617252.18	213.31	0.00011239	no risk	2.2477E-05	no risk	2.3099E-06	no risk	1.2438E-06	no risk	0.0001147	no risk	4.6198E-05	no risk
Sulfamethizole	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	803.75	0.01101027	no risk	0.00220205	no risk	0.00022629	no risk	0.00012185	no risk	0.01123657	no risk	0.00452596	no risk
Sulfamethoxypyridazine	5	73000	365000	3.162	3551792.93	6596186.86	71529.8471	177586.622	5	6.8493E-05	no risk	1.3699E-05	no risk	1.4077E-06	no risk	7.5801E-07	no risk	6.9901E-05	no risk	2.8155E-05	no risk
Sulfamoxole	76	1109600	5548000	2.226	76688091.8	142420742	1093774.18	2721001.69	550	0.00049567	no risk	9.9135E-05	no risk	7.1719E-06	no risk	3.8618E-06	no risk	0.00050285	no risk	0.00020213	no risk
Sulfaphenazole	15.08	220168	1100840	4.676	7243798.12	13452767.9	213673.604	528784.771	800	0.00363359	no risk	0.00072672	no risk	0.00011044	no risk	5.9467E-05	no risk	0.00374403	no risk	0.0015129	no risk
Sulfapyridine	4.8	70080	350400	3.162	3409721.21	6332339.39	68668.6532	170483.157	300	0.00428082	no risk	0.00085616	no risk	8.7984E-05	no risk	4.7376E-05	no risk	0.00436881	no risk	0.0017597	no risk
Sulfathiazole	50	730000	3650000	3.162	35517929.3	65961868.6	715298.471	1775866.22	1367.92	0.00187386	no risk	0.00037477	no risk	3.8514E-05	no risk	2.0738E-05	no risk	0.00191238	no risk	0.00077028	no risk
Sulfisoxazole	667	9738200	48691000	2.155	695213279	1291110375	9603676.5	23894931.2	400	4.1075E-05	no risk	8.2151E-06	no risk	5.7536E-07	no risk	3.0981E-07	no risk	4.1651E-05	no risk	1.674E-05	no risk
Tamsulosin	5.714	83424.4	417122	19.72	650837.884	1208698.93	73946.0015	177869.6	2.1	2.5172E-05	no risk	5.0345E-06	no risk	3.2266E-06	no risk	1.7374E-06	no risk	2.8399E-05	no risk	1.1806E-05	no risk
Tenoxicam	0.286	4175.6	20878	17.74	36211.9504	67250.765	3743.89183	9036.33491	2.1	0.00050292	no risk	0.00010058	no risk	5.7992E-05	no risk	3.1226E-05	no risk	0.00056091	no risk	0.0002324	no risk
Terbutalin	0.13	1898	9490	3.162	92346.6161	171500.858	1859.77602	4617.25218													
Tetracycline	30	438000	2190000	3.162	21310757.6	39577121.2	429179.082	1065519.73	816.27	0.00186363	no risk	0.00037273	no risk	3.8303E-05	no risk	2.0625E-05	no risk	0.00190193	no risk	0.00076608	no risk
Theophylline	4.285	62561	312805	3.162	3043886.54	5652932.14	61301.0789	152191.735	40	0.00063938	no risk	0.00012788	no risk	1.3141E-05	no risk	7.076E-06	no risk	0.00065252	no risk	0.00026283	no risk
Thiabendazole	100	1460000	7300000	19.8	11344211.3	21067821.1	1293523.52	3111016.41	5.9	4.0411E-06	no risk	8.0822E-07	no risk	5.2009E-07	no risk	2.8005E-07	no risk	4.5612E-06	no risk	1.8965E-06	no risk
Thiamphenicol	2.5	36500	182500	3.162	1775896.46	3298093.43	35764.9235	88793.3111	53.02	0.0014526	no risk	0.00029052	no risk	2.9855E-05	no risk	1.6076E-05	no risk	0.00148246	no risk	0.00059712	no risk
Timolol	0.28	4088	20440	4.158	151256.151	280904.281	3980.42116	9861.22402	0.3	7.3386E-05	no risk	1.4677E-05	no risk	1.9834E-06	no risk	1.068E-06	no risk	7.5369E-05	no risk	3.0422E-05	no risk
Tramadol	4.286	62575.6	312878	25.25	381267.936	708069.024	53753.334	128130.228	233.1	0.00372509	no risk	0.00074502	no risk	0.00061138	no risk	0.00032921	no risk	0.00433648	no risk	0.00181924	no risk
Trazodone	1.071	15636.6	78183	61.16	39333.4004	73047.7436	11188.6601	25464.2869	1.1	7.0348E-05	no risk	1.407E-05	no risk	2.7966E-05	no risk	1.5059E-05	no risk	9.8314E-05	no risk	4.3198E-05	no risk
Trimethoprim	4.2	61320	306600	3.162	2983506.06	5540796.96	60085.0715	149172.763	348.32	0.00568037	no risk	0.00113607	no risk	0.00011675	no risk	6.2865E-05	no risk	0.00579711	no risk	0.00233501	no risk
Valsartan	1.143	16687.8	83439	3.162	811939.863	1507888.32	16351.723	40596.3018	177.73	0.0106503	no risk	0.00213006	no risk	0.0002189	no risk	0.00011787	no risk	0.01086919	no risk	0.00437798	no risk
Venlafaxine	0.535	7811	39055	67	17935.7061	33309.1684	5441.30965	12310.4807	349.04	0.0446857	no risk	0.00893714	no risk	0.01946062	no risk	0.0104788	no risk	0.06414632	no risk	0.02835308	no risk
Xylazine	0.17	2482	12410	442.7	862.539313	1601.85872	640.094905	1273.17961	3.8	0.00153102	no risk	0.0003062	no risk	0.0044056	no risk	0.00237224	no risk	0.00593662	no risk	0.00298465	no risk

Antibiotic	PNEC_AMR (ug/L)	Not in SW PNEC-MIC (ng/L)	PNEC-MIC was calculated in Table S13					Not found in MIC databases					PNEC_AMR Reference		
			MEC (Max)	MEC (Min)	MEC (Median)	MEC (Mean)	RQ (Max)	Result (Max)	RQ (Min)	Result (Min)	RQ (Median)	Result (Median)		RQ (Mean)	Result (Mean)
Amikacin (Kanamycin B)	16	16000	1500	100	650	725	0.09375	Unlikely	0.00625	Unlikely	0.040625	Unlikely	0.0453125	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Amoxicillin	0.25	250	220	0.8	29.5	48.8	0.88	Unlikely	0.0032	Unlikely	0.118	Unlikely	0.1952	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Ampicillin	0.25	250	30.04	16.67	23.36	23.36	0.12016	Unlikely	0.06668	Unlikely	0.09344	Unlikely	0.09344	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Azithromycin	0.25	250	377.7	0.2	19.2	62.17	1.5108	Risky	0.0008	Unlikely	0.0768	Unlikely	0.24868	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Carbadox		4000	12	12	12	12	0.003	Unlikely	0.003	Unlikely	0.003	Unlikely	0.003	Unlikely	N.A.
Cefixime	0.064	64	146	137	141.5	141.5	2.28125	Risky	2.140625	Risky	2.2109375	Risky	2.2109375	Risky	(Bengtsson-Palme and Larsson, 2016)
Cephalexin	4	4000	184	1.4	141.8	102.68	0.046	Unlikely	0.00035	Unlikely	0.03545	Unlikely	0.02567	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Ceftriaxone		32	80	0.1	40.5	40.5	2.5	Risky	0.003125	Unlikely	1.265625	Risky	1.265625	Risky	(Bengtsson-Palme and Larsson, 2016)
Chloramphenicol	8	8000	15600	0.1	93	2666.1	1.95	Risky	0.0000125	Unlikely	0.011625	Unlikely	0.3332625	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Ciprofloxacin	0.064	64	2697.2	0.4	108	358.26	42.14375	Risky	0.00625	Unlikely	1.6875	Risky	5.5978125	Risky	(Bengtsson-Palme and Larsson, 2016)
Clarithromycin	0.25	250	677	0.2	83.55	205.97	2.708	Risky	0.0008	Unlikely	0.3342	Unlikely	0.82388	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Clavulanic acid	64	64000	44783	0.1	1721.87	12056.71	0.69973438	Unlikely	1.5625E-06	Unlikely	0.026904219	Unlikely	0.18838609	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Danofloxacin		16	97	59	78	78	6.0625	Risky	3.6875	Risky	4.875	Risky	4.875	Risky	N.A.
Dapsone			2800	2800	2800	2800									
Dimetridazole		2000	183.4	183.4	183.4	183.4	0.0917	Unlikely	0.0917	Unlikely	0.0917	Unlikely	0.0917	Unlikely	N.A.
Doxycycline	2	2000	29	29	29	29	0.0145	Unlikely	0.0145	Unlikely	0.0145	Unlikely	0.0145	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Enrofloxacin	0.064	64	445	379	412	412	6.953125	Risky	5.921875	Risky	6.4375	Risky	6.4375	Risky	(Bengtsson-Palme and Larsson, 2016)
Erythromycin	1	1000	3900	7.8	121	472.62	3.9	Risky	0.0078	Unlikely	0.121	Unlikely	0.47262	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Florfenicol	2	2000	18400	9.1	1516	5360.28	9.2	Risky	0.00455	Unlikely	0.758	Unlikely	2.68014	Risky	(Bengtsson-Palme and Larsson, 2016)
Flumequine	0.25	250	4200	200	2200	2200	16.8	Risky	0.8	Unlikely	8.8	Risky	8.8	Risky	(Bengtsson-Palme and Larsson, 2016)
Gentamicin	1	1000	1400	200	800	800	1.4	Risky	0.2	Unlikely	0.8	Unlikely	0.8	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Josamycin		250	1500	300	1150	1150	6	Risky	1.2	Risky	4.6	Risky	4.6	Risky	N.A.
Lincomycin	2	2000	290	74.3	182.15	182.15	0.145	Unlikely	0.03715	Unlikely	0.091075	Unlikely	0.091075	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Linezolid	8	8000	1.5	0.3	0.9	0.9	0.0001875	Unlikely	0.0000375	Unlikely	0.0001125	Unlikely	0.0001125	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Metformin			8670	0.5	74	1218.69417									
Metronidazole	0.125	125	211	0.1	51	84.68	1.688	Risky	0.0008	Unlikely	0.408	Unlikely	0.67744	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Naladixic acid	16	16000	16700	300	8500	8500	1.04375	Risky	0.01875	Unlikely	0.53125	Unlikely	0.53125	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Neomycin	2	2000	700	100	400	400	0.35	Unlikely	0.05	Unlikely	0.2	Unlikely	0.2	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Norfloxacin	0.5	500	20700	19.36	50	4181.76	41.4	Risky	0.03872	Unlikely	0.1	Unlikely	8.36352	Risky	(Bengtsson-Palme and Larsson, 2016)
Ofloxacin	0.5	500	610.6	0.8	148	240.49	1.2212	Risky	0.0016	Unlikely	0.296	Unlikely	0.48098	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Oxacillin	1	1000	265.5	0.9	133.2	133.2	0.2655	Unlikely	0.0009	Unlikely	0.1332	Unlikely	0.1332	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Oxytetracycline	0.5	500													(Bengtsson-Palme and Larsson, 2016)
Paromomycin		64000	1300	900	1100	1100	0.0203125	Unlikely	0.0140625	Unlikely	0.0171875	Unlikely	0.0171875	Unlikely	N.A.
Penicillin	0.5	500	63	0.7	41.5	36.68	0.126	Unlikely	0.0014	Unlikely	0.083	Unlikely	0.07336	Unlikely	(Zhang et al., 2020)
Pipemidic acid		4000	59.3	0.4	29.85	29.85	0.014825	Unlikely	0.0001	Unlikely	0.0074625	Unlikely	0.0074625	Unlikely	N.A.
Rifaximin		250	542	155	348.5	348.5	2.168	Risky	0.62	Unlikely	1.394	Risky	1.394	Risky	N.A.
Roxithromycin	1	1000	0	0	0	0	0	Unlikely	0	Unlikely	0	Unlikely	0	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Sarafloxacin		500	5300	49	74	1807.67	10.6	Risky	0.098	Unlikely	0.148	Unlikely	3.61534	Risky	N.A.
Sisomycin		16000	400	400	400	400	0.025	Unlikely	0.025	Unlikely	0.025	Unlikely	0.025	Unlikely	N.A.
Spiramycin	0.5	500	0	0	0	0	0	Unlikely	0	Unlikely	0	Unlikely	0	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Streptomycin	16	16000	3400	700	2050	2050	0.2125	Unlikely	0.04375	Unlikely	0.128125	Unlikely	0.128125	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Sulfacetamide			1600	1600	1600	1600									
Sulfadiazine	2000	2000000	11	6	8.5	8.5	0.0000055	Unlikely	0.000003	Unlikely	0.00000425	Unlikely	0.00000425	Unlikely	(Zhang et al., 2020)
Sulfameter	0.25	250	65	65	65	65	0.26	Unlikely	0.26	Unlikely	0.26	Unlikely	0.26	Unlikely	(Zhang et al., 2020)
Sulfamerazine		116000	4500	4500	4500	4500	0.0387931	Unlikely	0.0387931	Unlikely	0.038793103	Unlikely	0.0387931	Unlikely	
Sulfamethazine	16	16000	1800	3	901.5	901.5	0.1125	Unlikely	0.0001875	Unlikely	0.05634375	Unlikely	0.05634375	Unlikely	(Zhang et al., 2020)

Sulfamethoxazole	16	16000	1400	0.8	60	213.31	0.0875	Unlikely	0.00005	Unlikely	0.00375	Unlikely	0.01333188	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Sulfamethizole	256	256000	2800	4	205.5	803.75	0.0109375	Unlikely	1.5625E-05	Unlikely	0.000802734	Unlikely	0.00313965	Unlikely	(Zhang et al., 2020)
Sulfamethoxypyridazine			5	5	5	5									
Sulfamoxole			800	300	550	550									
Sulfaphenazole			600	200	800	800									
Sulfapyridine			400	200	300	300									
Sulfathiazole		256	4100	3	2051.5	2051.5	16.015625	Risky	0.01171875	Unlikely	8.013671875	Risky	8.01367188	Risky	(Zhang et al., 2020)
Sulfisoxazole		8000	700	100	400	400	0.0875	Unlikely	0.0125	Unlikely	0.05	Unlikely	0.05	Unlikely	
Tetracycline	1	1000	3900	4	62.5	816.27	3.9	Risky	0.004	Unlikely	0.0625	Unlikely	0.81627	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Thiamphenicol	1	1000	106	0.03	53.02	53.02	0.106	Unlikely	0.00003	Unlikely	0.05302	Unlikely	0.05302	Unlikely	(Bengtsson-Palme and Larsson, 2016)
Trimethoprim	0.5	500	3500	0.2	114	348.32	7	Risky	0.0004	Unlikely	0.228	Unlikely	0.69664	Unlikely	(Bengtsson-Palme and Larsson, 2016)

Compound	N	Lowest Observed MIC (ug/L)	Size-adjusted MIC (ug/L)	PNEC-MIC (ug/L)	PNEC_AMR (ng/L)	MIC Reference
Carbadox	26	50	32	4	4000	(Amirkia & Qiubao, 2011)
Danofloxacin	9	3.75	0.125	0.016	16	(Amirkia & Qiubao, 2011)
Dimetridazole	5	100	16	2	2000	(Amirkia & Qiubao, 2011)
Josamycin	48	1.9	2	0.25	250	(Amirkia & Qiubao, 2011)
Paromomycin	55	500	512	64	64000	(Amirkia & Qiubao, 2011)
Pipemidic acid	57	25	32	4	4000	(Amirkia & Qiubao, 2011)
Rifaximin	26	3.8	2	0.25	250	(Amirkia & Qiubao, 2011)
Sarafloxacin	5	45	4	0.5	500	(Amirkia & Qiubao, 2011)
Sisomycin	3	1600	128	16	16000	(Amirkia & Qiubao, 2011)
Sulfisoxazole	1	3100	64	8	8000	(Amirkia & Qiubao, 2011)

Amirkia, V. D., & Qiubao, P. (2011). The Antimicrobial Index: A comprehensive literature-based antimicrobial database and reference work. *Bioinformation*, 5 (8), 365–366. <https://doi.org/10.6026/97320630005365>

Compound	Therapeutic class	Country	References
Butalbital	Analgesic and Anti-inflammatory	Lebanon	(Doummar and Aoun 2018b)
Fenoprofen	Analgesic and Anti-inflammatory	Tunisia	(Afsa et al., 2019)
Fenoprofen	Analgesic and Anti-inflammatory	Lebanon	(Mokh et al. 2017)
Ketorolac	Analgesic and Anti-inflammatory	Jordan	(Al-Tarawneh et al., 2015)
Ketorolac	Analgesic and Anti-inflammatory	Lebanon	(Doummar and Aoun 2018b)
Ketorolac	Analgesic and Anti-inflammatory	Lebanon	(Mokh et al. 2017)
Oxycodone	Analgesic and Anti-inflammatory	Kuwait	(Gevao et al., 2021)
Piroxicam	Analgesic and Anti-inflammatory	Kuwait	(Gevao et al., 2021)
Sulfasalazine	Analgesic and Anti-inflammatory	Lebanon	(Mokh et al. 2017)
4-epidoxycycline	Antibiotic	Lebanon	(Mokh et al. 2017)
Acriflavine	Antibiotic	Lebanon	(Mokh et al. 2017)
Cefapirin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Cefazolin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Cefotaxime	Antibiotic	Tunisia	(Harrabi et.al 2018)
Ceftiofur	Antibiotic	Tunisia	(Harrabi et.al 2018)
Cefuroxime	Antibiotic	Tunisia	(Harrabi et.al 2018)
Cefuroxime	Antibiotic	Lebanon	(Mokh et al. 2017)
Cinoxacin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Clinafloxacin	Antibiotic	Israel	(Mordechay et al., 2021)

Clindamycin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Demeclocyclin	Antibiotic	Lebanon	(Mokh et al. 2017)
Difloxacin	Antibiotic	Lebanon	(Mokh et al. 2017)
Lomefloxacin	Antibiotic	Israel	(Mordechay et al., 2021)
Marbofloxacin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Miconazole	Antibiotic	Israel	(Mordechay et al., 2021)
Moxifloxacin	Antibiotic	Jordan	(Shigei et al., 2021)
Orbifloxacin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Ormetoprim	Antibiotic	Israel	(Mordechay et al., 2021)
Paromycin	Antibiotic	Tunisia	(Tahrani et al., 2017)
Rifampicin	Antibiotic	Jordan	(Shigei et al., 2021)
Ronidazole	Antibiotic	Kuwait	(Gevao et al., 2021)
Satafloxacin	Antibiotic	Lebanon	(Mokh et al. 2017)
Sulfabenzamide	Antibiotic	Tunisia	(Harrabi et.al 2018)
Sulfabenzamide	Antibiotic	Lebanon	(Mokh et al. 2017)
Sulfachloropyridazine	Antibiotic	Lebanon	(Doummar and Aoun 2018b)
Sulfadimethoxine	Antibiotic	Tunisia	(Harrabi et.al 2018)
Sulfamonomethoxine	Antibiotic	Lebanon	(Mokh et al. 2017)
Sulfantran	Antibiotic	Tunisia	(Harrabi et.al 2018)
Sulfantran	Antibiotic	Lebanon	(Mokh et al. 2017)
Sulfisomidine	Antibiotic	Lebanon	(Mokh et al. 2017)
Tilmicosin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Tylosin	Antibiotic	Tunisia	(Harrabi et.al 2018)
Tylosin	Antibiotic	Israel	(Mordechay et al., 2021)

Tylosin	Antibiotic	Multiple Locations	(Wilkinson et al., 2022)
Vanomycin	Antibiotic	Israel	(Craddock et al., 2019)
virginiamycin	Antibiotic	Israel	(Mordechay et al., 2021)
Warfarin	Anti-coagulant	Lebanon	(Doummar and Aoun 2018b)
Warfarin	Anti-coagulant	Kuwait	(Gevao et al., 2021)
Warfarin	Anti-coagulant	Israel	(Mordechay et al., 2021)
Paroxetine	Anti-depressant	Kuwait	(Gevao et al., 2021)
Setraline	Anti-depressant	Kuwait	(Gevao et al., 2021)
Ketotifen	Anti-histamine	Multiple Locations	(Wilkinson et al., 2022)
Dehydronifedipine	Antihypertensive	Lebanon	(Mokh et al. 2017)
nifedipine	Antihypertensive	Lebanon	(Mokh et al. 2017)
Mefloquine	Anti-malarial	Egypt	(Abdallah et al, 2019)
Pyrimethamine	Antiparasitic	Morocco	(Chafi et al., 2022)
Haloperidol	Antipsychotic	Israel	(Nodler et al, 2014)
Raloxifene	Anti-resorptive	Multiple Locations	(Wilkinson et al., 2022)
Carisoprodol	Anxiolytic and Anti-convulsant	Lebanon	(Doummar and Aoun 2018b)
Tamazepam	Benzodiazepines	Multiple Locations	(Wilkinson et al., 2022)
Lopressor	Beta-blocker	Lebanon	(Doummar and Aoun 2018b)
Pindolol	Beta-blocker	Tunisia	(Afsa et al., 2019)
Tamoxifen	Breast Cancer treatment	Israel	(Nodler et al, 2014)
nifedipine	Calcium Channel Blocker	Lebanon	(Doummar and Aoun 2018b)
Verampil	Calcium Channel Blocker	Multiple Locations	(Wilkinson et al., 2022)
Iodipamid	Contrast Media	Lebanon	(Mokh et al. 2017)

Triamterene	Diuretic	Multiple Locations	(Wilkinson et al., 2022)
Pantoprazole	Gastric Acid Regulator	Israel	(Nodler et al, 2014)
Fluvastatin	Lipid Regulator	Kuwait	(Gevao et al., 2021)

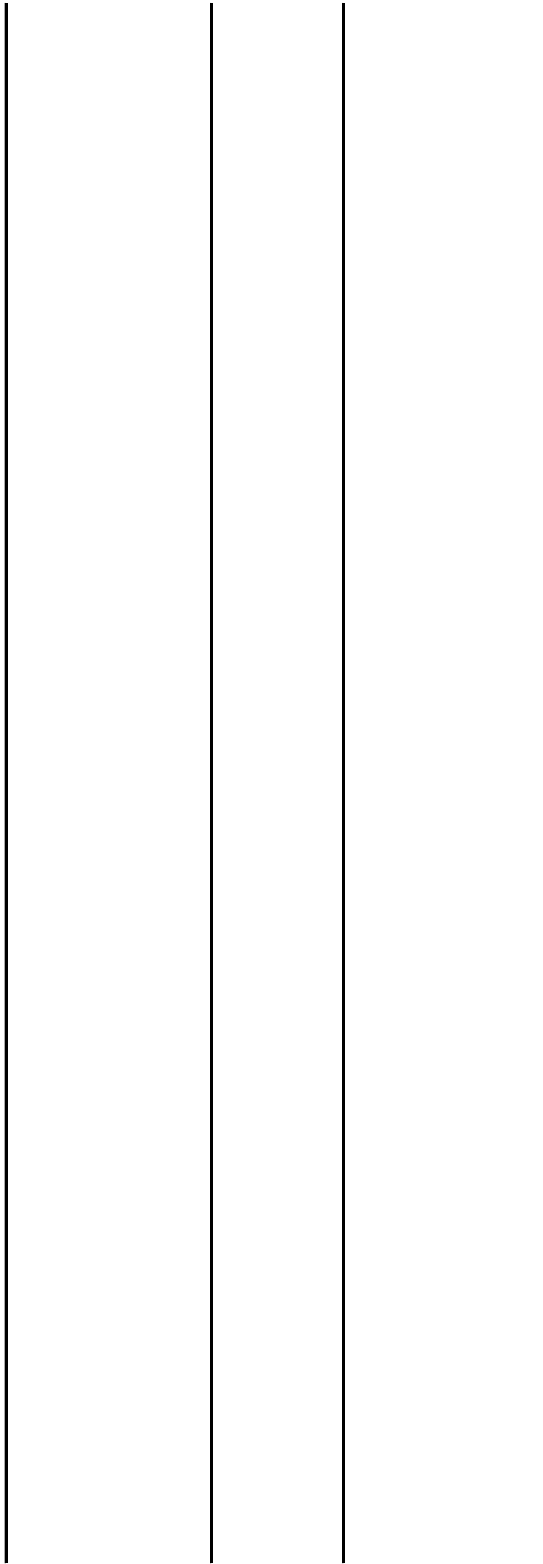
N.B. As long as a compound was detected once in another study, it was not listed here.

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Therapeutic Class	N (Analyzed)	N (Detected)
Analgesics and Anti-inflammatory	26	20
Antibiotics	88	56
Antidepressants	9	7
Anti-histamines	8	7
Anxiolytics and Anti-convulsants	10	9
Beta-blockers	12	10
Antihypertensives	5	4
Contrast media	9	8
Diuretics	3	2
Lipid regulators	8	7
Steroids and Hormones	4	4
Bronchodilator	3	3
Antidiabetic	3	3
Anthelmintic	3	3
Others	19	8
Total	210	151

Compound	Frequency
Carbamazepine	43
Diclofenac	30
Sulfamethoxazole	28
Ibuprofen	22
Acetaminophen	21
Naproxen	21
Atenolol	19
Ciprofloxacin	18
Trimethoprim	17
Erythromycin	16
Metoprolol	16
Bezafibrate	12
Gemfibrozil	12
Ketoprofen	12
Metronidazole	11
Clarithromycin	10
Ofloxacin	10
Propranolol	9
Amoxicillin	8
Azithromycin	8
Gabapentin	8
Venlafaxine	8
Clofibrate (clofibric acid)	7
Codeine	7
Iohexol	7
Iopromide	7
Metformin	7
Ranitidine	7
17β estradiol	6
Estriol	6
Estrone	6
Fenofibrate (Fenobibric acid)	6
Lidocaine	6
Tetracycline	6
Cetirizine	5
Fluoxetine	5
Penicillin	5
Salicylic Acid	5
Amitriptyline	4
Chloramphenicol	4
Cimetidine	4
Citalopram	4
Diazepam	4
Diltiazem	4
Enrofloxacin	4
Ethinylestradiol	4
Iomeprol	4
Iopamidol	4

Compound	updated frequency
17β estradiol	7
Acetaminophen	23
Acetylsalicylic acid (Aspirin)	1
Albendazole	1
Albuterol	2
Alprazolam	5
Amikacin	2
Amitriptyline	4
Amlodipine	2

most frequently detected	number of studies	percentage
carbamazepine	45	59.2105263
atenolol	32	42.1052632
acetaminophen	23	30.2631579
diclofenac	31	40.7894737
sulfamethoxazole	31	40.7894737

less frequently detected	number of studies	percentage
acebutolol	1	
albendazol	1	
ampicillin	2	
albuterol	2	
amikacin	2	
amlodipine	2	
carazolol	1	
carbadox	1	
ceftriaxone	1	
clavulanic acid	1	
dapsone	1	
dilantine	2	
Etoricoxib	2	
famotidine	2	
Fexofenadine	2	
florfenicol	2	
flumequine	2	
flunexine	1	
Glibenclamide	2	
Glimepiride	2	
Hydroxychloroquine	1	
Hydrocortizone	1	
indomethacine	2	
Irbesartan	1	
Iotalamic acid	1	
Ioxaglic acid	1	
Ioxithalamic acid	1	
Irbesartan	1	
Josamycin	1	

less detected phCs	number of studies	low PNEC
Atorvastatin	3	1.3
Sarafloxacin	2	15
Spiramycin	2	5
Theophylline	1	14

Lamotrigine	4		1	
Mefenamic acid	4		1	
Norfloxacin	4		1	
Sulfamethazine	4		1	
Sulfapyridine	4		1	
Tramadol	4		1	
Alprazolam	3		1	
Atorvastatin	3		1	
Diatrizoic acid	3		1	9
Furosemide	3	Amoxicillin	1	
Hydrochlorothiazide	3		1	2
Lincomycin	3		1	
Oxazepam	3		1	
Roxithromycin	3		1	
Sotalol	3		1	
Sulfadiazine	3		1	
Sulfathiazole	3		1	
Albuterol	2		1	
Amikacin (Kanamycin B)	2		1	
Amlodipine	2		1	
Bisoprolol	2		1	
Cefixime	2	Atenolol	1	
Cephalexin	2		1	
Clavulanic acid	2		1	
Danofloxacin	2		1	
Dilantin (Phenytoin)	2		1	
Diphenhydramine	2		1	
Etoricoxib	2		1	
Famotidine	2		1	
Fexofenadine	2		1	
Florfenicol	2		1	
Flumequine	2		1	32
Glibenclamide	2		1	
Glimepiride	2	Atorvastatin	1	
Indomethacin	2		1	3
Loratadine	2		1	
Lorazepam	2		1	
Methotrexate	2		1	
Nadolol	2		1	
Phenazone	2	Azithromycin	1	
Phenylbutazone	2		1	
Pravastatin	2		1	
Sarafloxacin	2		1	
Spiramicin	2		1	9
Sulfamethizole	2		1	
Sulfisoxazole	2		1	
Thiabendazole	2		1	
Valsartan	2		1	
Acebutolol	1		1	
Acetylsalicylic Acid (Aspirin)	1		1	
Albendazole	1	Bezafibrate	1	

Ampicillin	1		1
Carazolol	1		1
Carbadox	1		1
Clopidogrel	1		1
Clotrimazole	1		1
Dapsone	1		1
Dimetridazole	1		13
Doxycycline	1	Bisoprolol	1
Flunixin	1		3
Gentamicin	1	Betaxolol	1
Hydrocortisone	1	Carazolol	1
Iotalamic acid	1	Carbadox	1
Ioxaglic acid	1		1
Ioxithalamic acid	1		1
Irbesartan	1		1
Josamycin	1		1
Labetalol	1		1
Levamisol	1		1
Linezolid	1		1
Losartan	1		1
Meclofenamic acid	1		1
Meloxicam	1		1
Meprobamate	1		1
N-acetylcysteine	1		1
Naladixic acid	1		1
Neomycin	1		1
Niflumic Acid	1		1
Olanzapine	1		1
Oxacillin	1		1
Oxytetracycline	1		1
Paromomycin	1		1
Pipemidic acid	1		1
Primidone	1		1
Rifaximin	1		1
Sertraline	1	Carbamazepine	1
Sildenafil	1		1
Sisomycin	1		1
Streptomycin	1		1
Sulfacetamide	1		1
Sulfameter	1		1
Sulfamerazine	1		1
Sulfamethoxypyridazine	1		1
Sulfamoxole	1		1
Sulfaphenazole	1		1
Tamulosin	1		1
Tenoxicam	1		1
Terbutalin	1		1
Theophylline	1		1
Thiamphenicol	1		1
Timolol	1		1
Trazodone	1		1
Xylazine	1		1

	1	
	1	
	1	
	1	
	1	
	1	45
Cefixime	1	
	1	2
	1	
	1	
Cephalexin	1	
	1	
	1	6
	1	
	1	
Cetirizine	1	
	1	
	1	5
	1	
Chloramphenicol	1	
Chloramphenicol	1	
Chloramphenicol	1	
Chloramphenicol	1	4
Cimetidine	1	
Cimetidine	1	
Cimetidine	1	
Cimetidine	1	4
Ceftriaxone	1	1
	1	
	1	
	1	
	1	
	1	
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	1	
	1	
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	1	
	1	
	1	
	1	
	1	
	1	21
	1	
	1	
Citalopram	1	

	1	
	1	6
Clarithromycin	1	
	1	
	1	
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	1	11
Clavulanic acid	1	
	1	2
Clofibric acid	1	
	1	
	1	
	1	
	1	
	1	
	1	8
Clopidogrel	1	1
Clotrimazole	1	1
Cyclophosphamide	1	1
	1	
	1	
	1	
Codeine	1	
	1	
	1	
	1	
	1	8
Danofloxacin	1	
	1	3
Dapsone	1	1
	1	
Diatrizoic acid	1	
	1	3
	1	
	1	
Diazepam	1	
	1	4
	1	
	1	
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	1	20
Estriol	1	
	1	
	1	
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	1	
	1	7
Estrone	1	
	1	
	1	
	1	
	1	
	1	7
Ethinylestradiol	1	
	1	
	1	
	1	4
Etoricoxib	1	
	1	2
Famotidine	1	
	1	2
Fenofibrate	1	
	1	
	1	3
Fenofibric acid	1	
	1	
	1	3
Fexofenadine	1	
	1	2
Florfenicol	1	
	1	2
Flumequine	1	
	1	2
Flunixin	1	1
Fluoxetine	1	
	1	
	1	
	1	
	1	6
Furosemide	1	
	1	
	1	
	1	4
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	1	
	1	23
Indomethacin	1	
	1	2
Iohexol	1	
	1	
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	1	
	1	7
Iomeprol	1	
	1	
	1	4
Iopamidol	1	
	1	
	1	4
Iopromide	1	
	1	
	1	
	1	
	1	7
Irbesartan	1	1
Iotalamic acid	1	1
Ioxaglic acid	1	1
Ioxithalamic acid	1	1
Irbesartan	1	1
Josamycin	1	1
Ketoprofen	1	
	1	
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	1	14
Labetalol	1	
Lamotrigine	1	
	1	
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	1	5

Ofloxacin	1		
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	1		
	1	12	
	Olanzapine	1	1
	Oxacillin	1	1
Oxazepam	1		
	1		
	1	3	
Oxytetracycline	1	1	
Paromomycin	1	1	
Penicillin	1		
	1		
	1		
	1		
	1	5	
Phenazone	1		
	1	2	
Phenobarbital	1	1	
Phenylbutazone	1		
	1	2	
Pipemidic acid	1	1	
Pravastatin	1	1	
Primidone	1		
	1	2	
Propranolol	1		
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	1	10	
Ranitidine	1		
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	1	8	
Rifaximin	1	1	
Roxithromycin	1		
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	1	31
Sulfamethoxypyridazine	1	1
Sulfamoxole	1	1
Sulfaphenazole	1	1
	1	
	1	
Sulfapyridine	1	
	1	
	1	
	1	
	1	6
	1	
	1	
Sulfathiazole	1	
	1	
	1	
	1	
	1	6
Sulfisoxazole	1	1
Tamsulosin	1	1
Tenoxicam	1	1
Terbutaline	1	1
	1	
	1	
Tetracycline	1	
	1	
	1	
	1	6
Theophylline	1	1
Thiabendazole	1	
	1	2
Thiamphenicol	1	1
Thioridazine	1	1
Timolol	1	1
	1	
	1	
Tramadol	1	
	1	
	1	
	1	5
Trazodone	1	1
Triclosan	1	1
	1	

Flumequine	<u>2.84E+08</u>	<u>7.84E+08</u>	<u>4.20E+08</u>	1000	2.8429E+05	7.84E+05	4.1974E+05	2.8429E+05	1.4774E-02	5.36E-03	1.0006E-02	4200	1.4774E-02	Unlikely
Flunixin														
Fluoxetine	<u>7.90E+04</u>	<u>1.08E+06</u>	<u>1.75E+05</u>	1000	7.9000E+01	1.08E+03	1.7500E+02	7.9000E+01	5.1899E-01	3.79E-02	2.3429E-01	41	5.1899E-01	Unlikely
Furosemide	<u>1.9797E+07</u>	<u>5.88E+08</u>	<u>5.6003E+08</u>	1000	1.9797E+04	5.88E+05	5.6003E+05	1.9797E+04	2.5256E-02	8.50E-04	8.9280E-04	500	2.5256E-02	Unlikely
Gabapentin	<u>7.77E+09</u>	<u>5.36E+10</u>	<u>4.3382E+09</u>	1000	7.7710E+06	5.36E+07	4.3382E+06	4.3382E+06	7.7982E-04	1.13E-04	1.3969E-03	6060	1.3969E-03	Unlikely
Gemfibrozil	<u>1.0568E+07</u>	<u>6.7280E+06</u>	<u>4.9330E+06</u>	1000	1.0568E+04	6.73E+03	4.9330E+03	4.9330E+03	3.1226E-01	4.90E-01	6.6896E-01	3300	6.6896E-01	Unlikely
Gentamicin	<u>4.34E+09</u>	<u>2.84E+10</u>	<u>2.16E+09</u>	1000	4.3439E+06	2.84E+07	2.1572E+06	2.1572E+06	3.2229E-04	4.93E-05	6.4899E-04	1400	6.4899E-04	Unlikely
Glibenclamide	<u>3.08E+05</u>	<u>3.08E+05</u>	<u>5.85E+05</u>	1000	3.0800E+02	3.08E+02	5.8500E+02	3.0800E+02	4.6429E-02	4.64E-02	2.4444E-02	14.3	4.6429E-02	Unlikely
Glimepiride														
Hydrochlorothiazide	<u>5.62E+07</u>	<u>2.81E+09</u>	<u>8.13E+09</u>	1000	5.6184E+04	2.81E+06	8.1250E+06	5.6184E+04	3.7377E-02	7.48E-04	2.5846E-04	2100	3.7377E-02	Unlikely
Hydrocortisone	<u>2.33E+08</u>	<u>6.60E+08</u>	<u>3.62E+08</u>	1000	2.3263E+05	6.60E+05	3.6175E+05	2.3263E+05	2.7511E-04	9.69E-05	1.7692E-04	64	2.7511E-04	Unlikely
Ibuprofen	<u>4.1133E+07</u>	<u>4.1561E+07</u>	<u>2.7848E+07</u>	1000	4.1133E+04	4.16E+04	2.7848E+04	2.7848E+04	5.8517E-02	5.79E-02	8.6433E-02	2407	8.6433E-02	Unlikely
Indomethacin	<u>3.2820E+06</u>	<u>8.7800E+05</u>	<u>3.3931E+07</u>	1000	3.2820E+03	8.78E+02	3.3931E+04	8.7800E+02	1.2492E-02	4.67E-02	1.2083E-03	41	4.6697E-02	Unlikely
Iohexol	<u>6.05E+11</u>	<u>1.4E+13</u>	<u>5.09E+12</u>	1000	6.0500E+08	1.40E+10	5.0900E+09	6.0500E+08	6.4463E-05	2.79E-06	7.6621E-06	39000	6.4463E-05	Unlikely
iomeprol	<u>3.20E+09</u>	<u>8.93E+10</u>	<u>1.44E+11</u>	1000	3.2000E+06	8.93E+07	1.4400E+08	3.2000E+06	2.5625E-03	9.18E-05	5.6944E-05	8200	2.5625E-03	Unlikely
iopamidol	<u>5.86E+10</u>	<u>6.87E+11</u>	<u>2.86E+11</u>	1000	5.8628E+07	6.87E+08	2.8600E+08	5.8628E+07	1.3304E-03	1.14E-04	2.7273E-04	78000	1.3304E-03	Unlikely
Iopromide	<u>4.5819E+09</u>	<u>3.8400E+11</u>	<u>3.3400E+12</u>	1000	4.5819E+06	3.84E+08	3.3400E+09	4.5819E+06	1.7242E-03	2.06E-05	2.3653E-06	7900	1.7242E-03	Unlikely
Iotalamic acid	<u>1.23E+08</u>	<u>4.39E+09</u>	<u>6.17E+09</u>	1000	1.2316E+05	4.39E+06	6.1723E+06	1.2316E+05	1.8675E-04	5.24E-06	3.7263E-06	23	1.8675E-04	Unlikely
Ioxaglic acid	<u>5.71E+07</u>	<u>1.63E+09</u>	<u>1.41E+09</u>	1000	5.7146E+04	1.63E+06	1.4132E+06	5.7146E+04	4.8997E-04	1.72E-05	1.9813E-05	28	4.8997E-04	Unlikely
Ioxithalamic acid	<u>1.88E+09</u>	<u>2.68E+10</u>	<u>3.28E+10</u>	1000	1.8800E+06	2.68E+07	3.2800E+07	1.8800E+06						
Irbesartan														
Josamycin	<u>2.37E+06</u>	<u>1.17E+07</u>	<u>3.76E+06</u>	1000	2.3740E+03	1.17E+04	3.7570E+03	2.3740E+03	6.3184E-01	1.28E-01	3.9925E-01	1500	6.3184E-01	Unlikely
Ketoprofen	<u>1.7946E+08</u>	<u>2.6408E+08</u>	<u>1.6443E+08</u>	1000	1.7946E+05	2.64E+05	1.6443E+05	1.6443E+05	3.9007E-03	2.65E-03	4.2573E-03	700	4.2573E-03	Unlikely
Labetalol	<u>3.16E+06</u>	<u>3.37E+07</u>	<u>4.21E+06</u>	1000	3.1600E+03	3.37E+04	4.2130E+03	3.1600E+03						
Lamotrigine	<u>1.50E+07</u>	<u>1.26E+08</u>	<u>4.83E+06</u>	1000	1.5000E+04	1.26E+05	4.8300E+03	4.8300E+03	8.6667E-02	1.03E-02	2.6915E-01	1300	2.6915E-01	Unlikely
Levamisol	<u>9.43E+05</u>	<u>1.06E+07</u>	<u>1.39E+06</u>	1000	9.4300E+02	1.06E+04	1.3900E+03	9.4300E+02	4.3478E-03	3.87E-04	2.9496E-03	4.1	4.3478E-03	Unlikely
Lidocaine	<u>7.71E+06</u>	<u>7.54E+07</u>	<u>8.64E+06</u>	1000	7.7130E+03	7.54E+04	8.6430E+03	7.7130E+03	4.5119E-02	4.61E-03	4.0264E-02	348	4.5119E-02	Unlikely
Lincomycin	<u>1.24E+08</u>	<u>1.04E+09</u>	<u>1.02E+08</u>	1000	1.2430E+05	1.04E+06	1.0162E+05	1.0162E+05	2.3330E-03	2.79E-04	2.8537E-03	290	2.8537E-03	Unlikely
Linezolid	<u>6.26E+05</u>	<u>1.62E+08</u>	<u>1.39E+08</u>	1000	6.2600E+02	1.62E+05	1.3876E+05	6.2600E+02	2.3962E-03	9.29E-06	1.0810E-05	1.5	2.3962E-03	Unlikely
Loratadine	<u>6.20E+04</u>	<u>1.15E+05</u>	<u>1.00E+05</u>	1000	6.2000E+01	1.15E+02	1.0000E+02	6.2000E+01	9.4194E-01	5.08E-01	5.8400E-01	58.4	9.4194E-01	Unlikely
Lorazepam	<u>5.82E+07</u>	<u>1.13E+08</u>	<u>6.69E+07</u>	1000	5.8239E+04	1.13E+05	6.6906E+04	5.8239E+04	8.7021E-03	4.47E-03	7.5748E-03	506.8	8.7021E-03	Unlikely
Losartan	<u>1.90E+06</u>	<u>2.15E+06</u>	<u>2.00E+06</u>	1000	1.8970E+03	2.15E+03	2.0010E+03	1.8970E+03	7.5909E-02	6.69E-02	7.1964E-02	144	7.5909E-02	Unlikely
Meclofenamic acid	<u>1.6970E+06</u>	<u>5.9700E+05</u>	<u>4.9100E+05</u>	1000	1.6970E+03	5.97E+02	4.9100E+02	4.9100E+02	5.8928E-01	1.68E+00	2.0367E+00	1000	2.0367E+00	Risky
mefenamic acid	<u>4.5100E+06</u>	<u>2.2530E+06</u>	<u>1.7320E+06</u>	1000	4.5100E+03	2.25E+03	1.7320E+03	4.5100E+03	3.3259E-01	6.66E-01	8.6605E-01	1500	8.6605E-01	Unlikely
Meloxicam	<u>1.84E+05</u>	<u>1.39E+06</u>	<u>3.94E+06</u>	1000	1.8400E+02	1.39E+03	3.9440E+03	1.8400E+02	2.1739E-02	2.87E-03	1.0142E-03	4	2.1739E-02	Unlikely
Meprobamate	<u>3.84E+08</u>	<u>1.47E+09</u>	<u>7.60E+08</u>	1000	3.8380E+05	1.47E+06	7.5979E+05	3.8380E+05	2.6055E-04	6.80E-05	1.3162E-04	100	2.6055E-04	Unlikely
Metformin	<u>4.6246E+09</u>	<u>2.7737E+10</u>	<u>1.9277E+09</u>	1000	4.6246E+06	2.77E+07	1.9277E+06	1.9277E+06	1.8748E-03	3.13E-04	4.4975E-03	8670	4.4975E-03	Unlikely
Methotrexate	<u>2.03E+08</u>	<u>1.24E+11</u>	<u>3.49E+07</u>	1000	2.0280E+05	1.24E+08	3.4926E+04	3.4926E+04	3.0473E+00	4.98E-03	1.7695E+01	618000	1.7695E+01	Risky
Metoprolol	<u>8.3050E+06</u>	<u>8.1557E+07</u>	<u>9.3830E+06</u>	1000	8.3050E+03	8.16E+04	9.3830E+03	8.3050E+03	6.8152E+00	6.94E-01	6.0322E+00	56600	6.8152E+00	Risky
Metronidazole	<u>7.46E+05</u>	<u>1.23E+08</u>	<u>1.21E+07</u>	1000	7.4600E+02	1.23E+05	1.2068E+04	7.4600E+02	2.8284E-01	1.72E-03	1.7484E-02	211	2.8284E-01	Unlikely
N-acetylcysteine	<u>4.64E+07</u>	<u>4.07E+09</u>	<u>8.30E+07</u>	1000	4.6411E+04	4.07E+06	8.2984E+04	4.6411E+04	1.2713E-03	1.45E-05	7.1098E-04	59	1.2713E-03	Unlikely
Nadolol	<u>2.26E+07</u>	<u>2.09E+08</u>	<u>2.26E+07</u>	1000	2.2600E+04	2.09E+05	2.2600E+04	2.2600E+04	8.4071E-05	9.09E-06	8.4071E-05	1.9	8.4071E-05	Unlikely
Naladixic acid	<u>1.80E+09</u>	<u>4.42E+09</u>	<u>3.29E+09</u>	1000	1.8000E+06	4.42E+06	3.2900E+06	1.8000E+06	9.2778E-03	3.78E-03	5.0760E-03	16700	9.2778E-03	Unlikely
Naproxen	<u>1.3794E+08</u>	<u>1.9334E+08</u>	<u>1.2155E+08</u>	1000	1.3794E+05	1.93E+05	1.2155E+05	1.2155E+05	2.8200E-02	2.01E-02	3.2004E-02	3890	3.2004E-02	Unlikely
Neomycin	<u>1.3400E+15</u>	<u>3.7100E+15</u>	<u>1.1700E+14</u>	1000	1.3400E+12	3.71E+12	1.1700E+11	1.1700E+11	5.2239E-10	1.89E-10	5.9829E-09	700	5.9829E-09	Unlikely
Niflumic acid	<u>6.95E+06</u>	<u>1.07E+07</u>	<u>1.47E+06</u>	1000	6.9470E+03	1.07E+04	1.4710E+03	1.4710E+03	1.0364E-02	6.72E-03	4.8946E-02	72	4.8946E-02	Unlikely
Norfloxacin	<u>2.5675E+09</u>	<u>2.0081E+10</u>	<u>1.8308E+09</u>	1000	2.5675E+06	2.01E+07	1.8308E+06	1.8308E+06	8.0623E-03	1.03E-03	1.1307E-02	20700	1.1307E-02	Unlikely
Ofloxacin	<u>2.4445E+09</u>	<u>1.9352E+10</u>	<u>1.7862E+09</u>	1000	2.4445E+06	1.94E+07	1.7862E+06	1.7862E+06	2.4978E-04	3.16E-05	3.4184E-04	610.6	3.4184E-04	Unlikely
Olanzapine	<u>2.37E+06</u>	<u>2.18E+07</u>	<u>3.27E+06</u>	1000	2.3690E+03	2.18E+04	3.2670E+03	2.3690E+03	2.3385E-02	2.54E-03	1.6957E-02	55.4	2.3385E-02	Unlikely
Oxacillin	<u>1.66E+07</u>	<u>4.66E+08</u>	<u>2.94E+08</u>	1000	1.6599E+04	4.66E+05	2.9424E+05	1.6599E+04	1.5995E-02	5.69E-04	9.0232E-04	265.5	1.5995E-02	Unlikely
Oxazepam	<u>1.70E+06</u>	<u>5.04E+07</u>	<u>4.78E+07</u>	1000	1.6980E+03	5.04E+04	4.7787E+04	1.6980E+03	4.1225E-02	1.39E-03	1.4648E-03	70	4.1225E-02	Unlikely
Oxytetracycline	<u>2.38E+10</u>	<u>1.39E+11</u>	<u>9.44E+09</u>	1000	2.3848E+07	1.39E+08	9.4352E+06	9.4352E+06						
Paromomycin	<u>2.32E+13</u>	<u>8.54E+13</u>	<u>3.61E+12</u>	1000	2.3200E+10	8.54E+10	3.6100E+09	3.6100E+09	5.6034E-08	1.52E-08	3.6011E-07	1300	3.6011E-07	Unlikely
Penicillin	<u>6.51E+10</u>	<u>2.05E+13</u>	<u>1.32E+11</u>	1000	6.5107E+07	2.05E+10	1.3200E+08	6.5107E+07	9.6764E-07	3.07E-09	4.7727E-07	63	9.6764E-07	Unlikely
Phenazone	<u>1.35E+06</u>	<u>5.78E+06</u>	<u>3.68E+07</u>	1000	1.3460E+03	5.78E+03	3.6797E+04	1.3460E+03	2.9718E-03	6.92E-04	1.0870E-04	4	2.9718E-03	Unlikely
Phenylbutazone	<u>2.62E+05</u>	<u>8.43E+05</u>	<u>2.62E+06</u>	1000	2.6200E+02	8.43E+02	2.6230E+03	2.6200E+02	6.0305E-01	1.87E-01	6.0236E-02	158	6.0305E-01	Unlikely
Pipemidic acid	<u>2.36E+10</u>	<u>1.58E+11</u>	<u>1.22E+10</u>	1000	2.3644E+07	1.58E+08	1.2227E+07	1.2227E+07	2.5080E-06	3.75E-07	4.8498E-06	59.3	4.8498E-06	Unlikely
Primidone	<u>1.27E+07</u>	<u>5.31E+08</u>	<u>1.05E+09</u>	1000	1.2692E+04	5.31E+05	1.0520E+06	1.2692E+04	2.6789E-01	6.40E-03	3.2318E-03	3400	2.6789E-01	Unlikely
Pravastatin	<u>8.55E+07</u>	<u>1.29E+08</u>	<u>2.39E+08</u>	1000	8.5494E+04	1.29E+05	2.3910E+05	8.5494E+04	8.8076E-04	5.82E-04	3.1493E-04	75.3	8.8076E-04	Unlikely
Propranolol	<u>1.85E+06</u>	<u>2.02E+07</u>	<u>2.58E+06</u>	1000	1.8540E+03	2.02E+04	2.5780E+03	1.8540E+03	2.2600E-02	2.08E-03	1.6253E-02	41.90	2.2600E-02	Unlikely

Ranitidine	<u>9.53E+07</u>	<u>7.98E+08</u>	<u>7.80E+07</u>	1000	9.5290E+04	7.98E+05	7.8001E+04	7.8001E+04	2.7075E-02	3.23E-03	3.3076E-02	2580	3.3076E-02	Unlikely
Rifaximin	<u>1.92E+06</u>	<u>1.07E+06</u>	<u>8.07E+05</u>	1000	1.9160E+03	1.07E+03	8.0700E+02	8.0700E+02	2.8288E-01	5.05E-01	6.7162E-01	542	6.7162E-01	Unlikely
Roxithromycin	<u>4.66E+06</u>	<u>5.16E+07</u>	<u>6.72E+06</u>	1000	4.6630E+03	5.16E+04	6.7170E+03	4.6630E+03	3.9753E+00	3.59E-01	2.7597E+00	18537	3.9753E+00	Risky
Salicylic Acid	<u>2.3576E+08</u>	<u>1.5634E+08</u>	<u>5.2493E+07</u>	1000	2.3576E+05	1.56E+05	5.2493E+04	5.2493E+04	3.0540E-02	4.61E-02	1.3716E-01	7200	1.3716E-01	Unlikely
Sarafloxacin	<u>3.2977E+08</u>	<u>3.02E+09</u>	<u>3.2280E+08</u>	1000	3.2977E+05	3.02E+06	3.2280E+05	3.2280E+05	1.6072E-02	1.76E-03	1.6419E-02	5300	1.6419E-02	Unlikely
Sertraline	<u>2.80E+04</u>	<u>4.08E+05</u>	<u>7.10E+04</u>	1000	2.8000E+01	4.08E+02	7.1000E+01	2.8000E+01	6.7857E-02	4.66E-03	2.6761E-02	1.9	6.7857E-02	Unlikely
Sildenafil	<u>2.91E+06</u>	<u>5.80E+06</u>	<u>7.17E+06</u>	1000	2.9100E+03	5.80E+03	7.1660E+03	2.9100E+03	6.3701E+00	3.20E+00	2.5868E+00	18537	6.3701E+00	Risky
Sisomycin	<u>6.02E+10</u>	<u>2.48E+08</u>	<u>2.08E+10</u>	1000	6.0183E+07	2.48E+05	2.0806E+07	2.4809E+05	6.6464E-06	1.61E-03	1.9226E-05	400	1.6123E-03	Unlikely
Sotalol	<u>2.64E+07</u>	<u>6.17E+08</u>	<u>6.08E+07</u>	1000	2.6386E+04	6.17E+05	6.0809E+04	2.6386E+04	1.6979E-03	7.27E-05	7.3673E-04	44.8	1.6979E-03	Unlikely
Spiramycin	<u>1.43E+08</u>	<u>5.61E+07</u>	<u>9.65E+07</u>	1000	1.4304E+05	5.61E+04	9.6469E+04	5.6118E+04	4.6421E-01	1.18E+00	6.8830E-01	66400	1.1832E+00	Risky
Streptomycin	<u>1.07E+14</u>	<u>3.25E+12</u>	<u>6.07E+14</u>	1000	1.0700E+11	3.25E+09	6.0700E+11	3.2500E+09	3.1776E-08	1.05E-06	5.6013E-09	3400	1.0462E-06	Unlikely
Sulfacetamide	<u>1.02E+07</u>	<u>1.99E+09</u>	<u>1.62E+06</u>	1000	1.0159E+04	1.99E+06	1.6220E+03	1.6220E+03	1.5750E-01	8.04E-04	9.8644E-01	1600	9.8644E-01	Unlikely
Sulfadiazine	<u>1.03E+07</u>	<u>1.52E+09</u>	<u>1.88E+06</u>	1000	1.0254E+04	1.52E+06	1.8800E+03	1.8800E+03	1.0728E-03	7.26E-06	5.8511E-03	11	5.8511E-03	Unlikely
Sulfameter	<u>3.55E+09</u>	<u>3.45E+10</u>	<u>1.13E+10</u>	1000	3.5537E+06	3.45E+07	1.1292E+07	3.5537E+06	1.8291E-05	1.88E-06	5.7564E-06	65	1.8291E-05	Unlikely
Sulfamerazine	<u>8.02E+06</u>	<u>6.66E+08</u>	<u>1.97E+06</u>	1000	8.0230E+03	6.66E+05	1.9660E+03	1.9660E+03	5.6089E-01	6.76E-03	2.2889E+00	4500	2.2889E+00	Risky
Sulfamethazine	<u>6.26E+06</u>	<u>2.91E+08</u>	<u>2.05E+06</u>	1000	6.2590E+03	2.91E+05	2.0450E+03	2.0450E+03	2.8759E-01	6.18E-03	8.8020E-01	1800	8.8020E-01	Unlikely
Sulfamethoxazole	<u>6.6150E+06</u>	<u>4.1076E+08</u>	<u>1.8720E+06</u>	1000	6.6150E+03	4.11E+05	1.8720E+03	1.8720E+03	2.1164E-01	3.41E-03	7.4786E-01	1400	7.4786E-01	Unlikely
Sulfamethizole	<u>7.34E+06</u>	<u>4.92E+08</u>	<u>2.00E+06</u>	1000	7.3430E+03	4.92E+05	2.0010E+03	2.0010E+03	3.8132E-01	5.69E-03	1.3993E+00	2800	1.3993E+00	Risky
Sulfamethoxypyridazine	<u>8.56E+06</u>	<u>7.19E+08</u>	<u>2.09E+06</u>	1000	8.5620E+03	7.19E+05	2.0850E+03	2.0850E+03	5.8398E-04	6.95E-06	2.3981E-03	5	2.3981E-03	Unlikely
Sulfamoxole	<u>5.17E+06</u>	<u>1.08E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.08E+05	1.9520E+03	1.9520E+03	1.5468E-01	7.39E-03	4.0984E-01	800	4.0984E-01	Unlikely
Sulfaphenazole	<u>4.59E+06</u>	<u>1.77E+07</u>	<u>2.28E+06</u>	1000	4.5910E+03	1.77E+04	2.2760E+03	2.2760E+03	1.3069E-01	3.39E-02	2.6362E-01	600	2.6362E-01	Unlikely
Sulfapyridine	<u>6.36E+06</u>	<u>3.78E+08</u>	<u>1.84E+06</u>	1000	6.3600E+03	3.78E+05	1.8410E+03	1.8410E+03	6.2893E-02	1.06E-03	2.1727E-01	400	2.1727E-01	Unlikely
Sulfathiazole	<u>5.8750E+06</u>	<u>2.8529E+08</u>	<u>1.8780E+06</u>	1000	5.8750E+03	2.85E+05	1.8780E+03	1.8780E+03	6.9787E-01	1.44E-02	2.1832E+00	4100	2.1832E+00	Risky
Sulfisoxazole	<u>5.17E+06</u>	<u>1.80E+08</u>	<u>1.95E+06</u>	1000	5.1720E+03	1.80E+05	1.9520E+03	1.9520E+03	1.3534E-01	3.88E-03	3.5861E-01	700	3.5861E-01	Unlikely
Tamsulosin	<u>1.97E+06</u>	<u>3.87E+07</u>	<u>4.87E+06</u>	1000	1.9670E+03	3.87E+04	4.8710E+03	1.9670E+03	1.9827E-03	1.01E-04	8.0066E-04	3.9	1.9827E-03	Unlikely
Tenoxicam	<u>3.25E+05</u>	<u>5.39E+06</u>	<u>8.20E+05</u>	1000	3.2500E+02	5.39E+03	8.2000E+02	3.2500E+02	1.2308E-02	7.42E-04	4.8780E-03	4	1.2308E-02	Unlikely
Terbutalin	<u>1.33E+07</u>	<u>3.07E+07</u>	<u>2.05E+06</u>	1000	1.3320E+04	3.07E+04	2.0500E+03	2.0500E+03						
Tetracycline	<u>1.89E+09</u>	<u>1.31E+10</u>	<u>1.06E+09</u>	1000	1.8856E+06	1.31E+07	1.0627E+06	1.0627E+06	2.0683E-03	2.97E-04	3.6699E-03	3900	3.6699E-03	Unlikely
Theophylline	<u>1.40E+04</u>	<u>2.34E+08</u>	<u>1.78E+07</u>	1000	1.4000E+01	2.34E+05	1.7796E+04	1.4000E+01	4.1429E+00	2.48E-04	3.2592E-03	58	4.1429E+00	Risky
Thiabendazole	<u>9.79E+05</u>	<u>1.09E+07</u>	<u>1.32E+07</u>	1000	9.7900E+02	1.09E+04	1.3200E+04	9.7900E+02	1.1747E-02	1.06E-03	8.7121E-04	11.5	1.1747E-02	Unlikely
Thiamphenicol	<u>4.68E+06</u>	<u>2.11E+08</u>	<u>2.86E+08</u>	1000	4.6790E+03	2.11E+05	2.8610E+05	4.6790E+03	2.2654E-02	5.02E-04	3.7050E-04	106	2.2654E-02	Unlikely
Timolol	<u>8.97E+06</u>	<u>8.87E+07</u>	<u>1.03E+07</u>	1000	8.9720E+03	8.87E+04	1.0267E+04	8.9720E+03	3.3437E-05	3.38E-06	2.9220E-05	0.3	3.3437E-05	Unlikely
Tramadol	<u>9.59E+05</u>	<u>1.09E+07</u>	<u>1.47E+06</u>	1000	9.5900E+02	1.09E+04	1.4670E+03	9.5900E+02	3.6861E-01	3.23E-02	2.4097E-01	353.5	3.6861E-01	Unlikely
Trazodone	<u>9.78E+05</u>	<u>1.14E+07</u>	<u>1.57E+06</u>	1000	9.7800E+02	1.14E+04	1.5700E+03	9.7800E+02	2.0450E-03	1.75E-04	1.2739E-03	2	2.0450E-03	Unlikely
Trimethoprim	<u>6.6300E+06</u>	<u>3.1791E+08</u>	<u>2.1340E+06</u>	1000	6.6300E+03	3.18E+05	2.1340E+03	2.1340E+03	5.2790E-01	1.10E-02	1.6401E+00	3500	1.6401E+00	Risky
Valsartan	<u>3.87E+06</u>	<u>4.43E+07</u>	<u>8.61E+07</u>	1000	3.8650E+03	4.43E+04	8.6094E+04	3.8650E+03	1.4704E-01	1.28E-02	6.6009E-03	568.3	1.4704E-01	Unlikely
Venlafaxine	<u>2.66E+08</u>	<u>7.6780E+06</u>	<u>1.0620E+06</u>	1000	2.6563E+05	7.68E+03	1.0620E+03	1.0620E+03	6.2492E-03	2.16E-01	1.5631E+00	1660	1.5631E+00	Risky
Xylazine	<u>1.38E+06</u>	<u>9.97E+05</u>	<u>7.14E+05</u>	1000	1.3800E+03	9.97E+02	7.1400E+02	7.1400E+02	3.1159E-03	4.31E-03	6.0224E-03	4.3	6.0224E-03	Unlikely

Compound	RQ based on measured	RQ based on predicted	Errorr
17 β estradiol	562500	797.1656333	99.85828167
Acetaminophen	196.6	5.811066446	97.04421849
Acetylsalicylic acid (Aspirin)	0.155737705	0.000244429	99.84305088
Albendazole	0.16	0.187234043	17.0212766
Amikacin (Kanamycin B)	8.823529412	3.08642E-06	99.99996502
Amoxicillin	14.1025641	0.000337499	99.99760683
Ampicillin	2.11389E-05	0.000103607	390.1256113
Atenolol	5.131578947	0.037767276	99.26402231
Atorvastatin	365.1538462	9.889583333	97.29166667
Bezafibrate	70.46086957	1.198668639	98.29881657
Carbamazepine	1676.5	13.09765625	99.21875
Chloramphenicol	0.39	38.90274314	9875.062344
Ciprofloxacin	53.944	0.002174413	99.99596913
Citalopram	0.765	0.0425	94.44444444
Clarithromycin	33.85	0.325324363	99.03892359
Clofibrate (clofibric acid)	0.0088	0.041706161	373.9336493
Diclofenac	10221.1	0.396874272	99.99611711
Diltiazem	0.01934	0.044955834	132.4500232
Enrofloxacin	0.454081633	0.000881937	99.8057756
Erythromycin	97.5	0.612341027	99.37195792
Estriol	326.8817204	0.029035339	99.99111748
Estrone	13.25	0.121336996	99.08424908
Ethinylestradiol	2500	0.051020408	99.99795918
Famotidine	0.000261	8.29388E-05	68.22269535
Fenofibrate (Fenobibric acid)	0.142857143	2.487562189	1641.293532
Flumequine	2.641509434	0.014773751	99.44070801
Fluoxetine	13.66666667	0.518987342	96.20253165
Furosemide	0.320512821	0.025256352	92.12001818
Gabapentin	707.7909564	0.001396879	99.99980264
Gemfibrozil	22	0.668964119	96.959254
Ibuprofen	240.7	0.086433496	99.96409078
Indomethacin	0.001413793	0.046697039	3202.961276
Iopromide	0.008212058	0.001724189	79.00418279
Iotalamic acid	4.6314E-05	0.000186746	303.2169013
Ketoprofen	0.443880786	0.00425726	99.04090011
Lincomycin	0.414285714	0.002853685	99.31117956
Loratadine	0.152528207	9.4194E-01	517.5483871
mefenamic acid	0.06	0.866050808	1343.418014
Metoprolol	5660	6.815171583	99.87959061
Metronidazole	0.000844	0.282841823	33412.06434
Naproxen	0.09725	0.032004344	67.09064881
Neomycin	0.233333333	5.98291E-09	99.99999744
Norfloxacin	129.375	0.011306557	99.99126063
Ofloxacin	1.2212	0.000341837	99.97200812
Phenazone	0.003053435	0.002971768	2.674591382
Propranolol	0.10475	0.022599784	78.42502697
Ranitidine	524.3902439	0.033076499	99.99369239
Roxithromycin	185.37	3.975337765	97.85545786
Salicylic Acid	0.104257168	0.137161145	31.56039853

Sarafloxacin	353.3333333	0.016418683	99.9953532
Sertraline	0.157024793	0.067857143	56.78571429
Spiramycin	13280	1.18322107	99.9910902
Streptomycin	3.4	1.04615E-06	99.99996923
Sulfadiazine	0.081481481	0.005851064	92.81914894
Sulfamerazine	0.378151261	2.288911495	505.2899288
Sulfamethazine	0.09	0.880195599	877.99511
Sulfamethoxazole	11.66666667	0.747863248	93.58974359
Sulfathiazole	0.186363636	2.183173589	1071.458999
Tetracycline	78	0.00366987	99.99529504
Tramadol	0.021251653	0.368613139	1634.51512
Trimethoprim	0.222929936	1.640112465	635.7075914
Venlafaxine	272.1311475	1.563088512	99.42561205

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