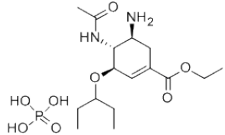
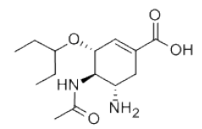
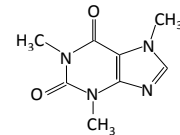
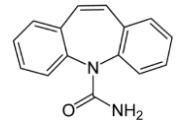
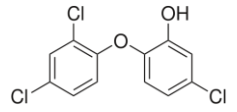
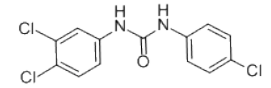


Table S1. Physicochemical properties of target compounds

Compound	IUPAC name	CAS RN.	Chemical structure	Water solubility (mg/L)	LogKow	pKa
Oseltamivir phosphate (OP)	Ethyl (3R,4R,5S)-4-acetamido-5-amino-3-pentan-3-yloxy-cyclohexene-1-carboxylate;phosphoric acid	204255-11-8		1,600	0.95	7.7
Oseltamivir carboxylate (OC)	(3R,4R,5S)-4-acetamido-5-amino-3-pentan-3-yloxy-cyclohexene-1-carboxylic acid	187227-45-8		-	-2.1	3.6
Caffeine (CAF)	1,3,7-trimethylpurine-2,6-dione	58-08-2		21,600	-0.07	10.4
Carbamazepine (CBZ)	Benzo[b][1]benzazepine-11-carboxamide	298-46-4		18	13.9	2.45
Triclosan (TCS)	5-chloro-2-(2,4-dichlorophenoxy)phenol	3380-34-5		10	4.76	7.9
Triclocarban (TCC)	1-(4-chlorophenyl)-3-(3,4-dichlorophenyl)urea	101-20-2		0.00237	4.90	-

Reference sites of water solubility, Log Kow, and pKa values: Pubchem, <https://pubchem.ncbi.nlm.nih.gov/compound/65492> and C. Prasse, M.P. Schlüsener, R. Schulz, T.A. Ternes, Environ. Sci. Technol. 44, 1728 (2010).