

Supplementary Table 1: Physicochemical properties of the Geneva phenotyping cocktail probe drugs and their metabolites

Probe drugs and metabolites	Log P	pKa	Proton acceptor count	Proton donor count
Caffeine	-0.07	14.00	3	0
Paraxanthine	0.24	10.76	3	1
Bupropion	3.28	8.22	2	1
Hydroxybupropion	2.22	14.79	3	2
Flurbiprofen	3.94	4.42	2	1
4'-Hydroxyflurbiprofen	3.64	4.24	3	2
Dextromethorphan	3.49	9.85	2	0
Dextrorphan	2.90	10.46	2	1
Omeprazole	2.43	7.40 & 14.7	5	1
5'-Hydroxyomeprazole	1.15	4.80	6	2
Midazolam	3.33	5.50	2	0
α -Hydroxymidazolam	2.48	13.95	3	1
Fexofenadine	2.94	4.04	5	3