

Supplementary Materials

New Trend in Toxicological Screening Using Volumetric Absorptive Microsampling (VAMS) and High-Resolution Mass Spectrometry (HR/MS) Combination

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Supplementary Table S1: List, in alphabetical order, of the 90 compounds, parent molecules and metabolites, with log P values, included in this study. 6-MAM : 6-monoacetylmorphine; 11-hydroxy-THC: 11-hydroxy- Δ^9 -tetrahydrocannabinol; LSD: lysergic acid diethylamide; MBDB: N-methyl-1-(1,3-benzodioxol-5-yl)-2-aminobutane; MDA: 3,4-méthylènedioxyamphétamine ; MDEA: 3,4-méthylènedioxy-N-éthylamphétamine ; MDMA: 3,4-méthylènedioxy-N-méthylamphétamine; MDPV: Méthylènedioxyprovalérone; THC : tetrahydrocannabinol; THC-COOH : 11-carboxy-tetrahydrocannabinol. * log P values were obtained from Drugs Bank data base

Number	Name	log P value*	Number	Name	log P value*
1	3-chloromethcathinone	1.86	46	MBDB	2.15
2	4- methylmethcathinone	2.39	47	MDA	1.56
3	6-MAM	1.31	48	MDEA	- 0.72
4	7-amino-clonazepam	2.38	49	MDMA	2.15
5	11-hydroxy-THC	5.33	50	MDPV	3.97
6	acebutolol	1.71	51	metamphetamine	2.07
7	acetylcodeine	2.00	52	methadone	3.93
8	alimemazine	4.71	53	methylester ecgonine	0.14
9	alprazolam	2.12	54	methy lone	1.91
10	amphetamine	1.76	55	methy lphen idate	0.2
11	aripiprazole	5.3	56	midazolam	4.33
12	baclofen	1.3	57	morphine	0.87
13	benzoylecgonine	- 0.59	58	N-acetyldiltiazem	2.73
14	bromazepam	2.05	59	N-desmethy ltramadol	2.07
15	buprenorphine	4.98	60	N-desmethy lvenlafaxine	2.36
16	clonazepam	2.41	61	n itrazepam	2.25
17	clozapine	3.23	62	norbenzoylecgonine	- 0.8
18	cocaethylene	2.64	63	norbuprenorphine	2.3
19	cocaine	2.30	64	norcodeine	0.96
20	codeine	1.39	65	nordazepam	3.21
21	cyamemazine	4.27	66	norfentanyl	1.42
22	dehydroaripiprazole	4.98	67	norflouxetine	3.74
23	desmethy lclozapine	3.02	68	noroxycodone	0.65
24	desmethy lzopiclone	- 0.09	69	O-desmethy ltramadol	1.72
25	dextromethorphan	3.97	70	O-desmethy lvenlafaxine	2.72
26	diazepam	2.82	71	oxazepam	2.24
27	dihydrocodeine	0.8	72	oxycodone	0.7
28	diltiazem	2.7	73	phenacetin	1.58
29	diphenhydramine	3.27	74	phenobarbital	1.47
30	ecgonine	- 1.8	75	pregabalin	1.78
31	ethylglucuronide	- 1.6	76	propanolol	3.48
32	fentanyl	4.05	77	propofol	3.79
33	fluoxetine	4.05	78	secobarbital	1.97
34	furosemide	2.03	79	sufentanil	3.95
35	gabapentin	1.25	80	temazepam	2.19
36	haloperidol	4.3	81	tetrazepam	3.20
37	hydrochlorothiazide	- 0.07	82	THC	5.65
38	hydromorphone	1.06	83	THC-COOH	5.14
39	irbesartan	4.5	84	tramadol	1.34
40	ketamine	3.12	85	triazolam	2.42
41	lamotrigine	1.93	86	tropatepine	4.82
42	levamisole	2.3	87	valsartan	1.50
43	lorazepam	3.35	88	zaleplon	0.9
44	lormetazepam	3.39	89	zolpidem	3.02
45	LSD	2.95	90	zopiclone	0.8