

Table 5. Inhibition by lysergic acid diethylamide (LSD) and Salvinorin A at 10 mM concentration at a large number of cloned neurotransmitter receptors, channels, and transporters

	LSD	SALVINORIN A
5-HT1A	99.90317	-1
5-HT1B	98.94932	11
5-HT1D	97.84455	9
5-HT1E	99.91165	11
5-HT2A	92.32546	-1
5-HT2B	99	0
5-HT2C	99.78652	11
5-HT3	10	-2
5-HT5A	99.79682	12
5-HT6	93.61263	10
5-HT7	104.4992	6
D1=D1 DOPAMINE	92.89669	-10
D2=D2 DOPAMINE	84.97334	-28
D3=D3 DOPAMINE	77.77952	12
D4=D4 DOPAMINE	88.22848	-15
D5=D5 DOPAMINE	84.34478	6
MU OPIOID	5.143386	2.6
KAPPA OPIOID	29.12422	90
DELTA OPIOID	5.010223	16
V1*=V1 vasopressin	15.06569	0
V2*=V2 vasopressin	17.51839	0
V3*=V3 vasopressin	10.4827	0
a2b2=alpha2/beta2-nicotinic	10.1	2.7
a2b4=alpha2/beta4-nicotinic	-7.5	18.0
a3b2=alpha3/beta2-nicotinic	10	-7.5
a3b4=alpha3/beta4-nicotinic	-1.8	8.6
a4b2=alpha4/beta2-nicotinic	-0.6	4.5
a4b2=alpha4/beta2 nicotinic	-2.5	2.7
a4b4=alpha4/beta4nicotinic	1.8	-4.9
M1=M1 MUSCARINIC	2.054841	9
M2=M2 MUSCARINIC	2.2	-3
M3=M3 MUSCARINIC	1.9	0
M4=M4 MUSCARINIC	1.083933	14
M5=M5 MUSCARINIC	15.16617	7
rBeta1=rat beta1 adrenergic	81.43006	-3
rBeta2=rat beta2 adrenergic	93.42949	-5
alpha1A=alpha1A-adrenergic	95.33	0
alpha1B=alpha1B-adrenergic	37.21	8
SERT=serotonin transporter	3.743237	-10
NET=norepinephrine transporter	-12.28574	3
bDAT=bovine dopamine transporter	53.21864	-31
rGABAA=GABA-A receptor	-1.582365	0.68
rNMDA=NDMA receptor (MK 801 site)	2.872515	1.9
rPCP=NMDA receptor (PCP site)	-17	6
rH1=histamine H1	84.80475	0
mGluR1	-1	-4
mGluR5	8	3
mGluR2	8	7
mGluR4	-8	4
mGluR6	19	1.5
mGluR8	1	3
EP3 PROSTAGLANDIN	ND	6
EP4 PROSTAGLANDIN	ND	13
CB1 CANNABINOID	11	11.27
rBenzodiazepine	21	-31
alpha2A adrenergic	101	-19
alpha2B adrenergic	80	-14
alpha2C adrenergic	86	-6

Data represent mean % inhibition ($n =$ four determinations) for compounds tested at various receptor subtypes. Significant inhibition is considered $>50\%$. In cases where negative inhibition (–) is seen, this represents a stimulation of binding. All represent cloned human receptors/transporter/channels unless otherwise specified. r, rat; b, bovine; m, mouse; ND, not determined.