

Table S1. Homo sapiens biotargets relevant to anxiolytic activity and having reliable confirmation in the form of experimental data on the activity of known compounds.

No	Targets	Genes	Main UniProt ID			Main UniProt Name
1	5-HT1	HTR1A	P08908			5-hydroxytryptamine receptor 1A
2	5-HTA / 5-HT2C	HTR1A	HTR2C	P08908 / P28335		5-hydroxytryptamine receptor 1A / 5-hydroxytryptamine receptor 2C
3	5-HT4A	HTR4A	Q13639			5-hydroxytryptamine receptor 4A
4	5-HT4B	HTR4B	Q13639			5-hydroxytryptamine receptor 4B
5	5-HT4D	HTR4D	Q13639			5-hydroxytryptamine receptor 4D
6	5-HT4HB	HTR4B	Q13639			5-hydroxytryptamine receptor 4B
7	5-HT7	HTR7	P34969			5-hydroxytryptamine receptor 7
8	5-HT7I	HTR7	P34969			5-hydroxytryptamine receptor 7
9	5-HT7S	HTR7	P34969			5-hydroxytryptamine receptor 7
10	5-hydroxytryptamine receptor 1a (5-HT1A)	HTR1A	P08908			5-hydroxytryptamine receptor 1A
11	5-hydroxytryptamine receptor 1b	HTR1B	P28222			5-hydroxytryptamine receptor 1B
12	5-hydroxytryptamine receptor 1d	HTR1D	P28221			5-hydroxytryptamine receptor 1D
13	5-hydroxytryptamine receptor 2a (5-HT2A)	HTR2A	P28223			5-hydroxytryptamine receptor 2A
14	5-hydroxytryptamine receptor 2b (5HT2b)	HTR2B	P41595			5-hydroxytryptamine receptor 2B
15	5-hydroxytryptamine receptor 2c (5HT2c)	HTR2C	P28335			5-hydroxytryptamine receptor 2C
16	5-hydroxytryptamine receptor 2c (5-HT2c)	HTR2C	P28335			5-hydroxytryptamine receptor 2C
17	5-hydroxytryptamine receptor 2c	HTR2C	P28335			5-hydroxytryptamine receptor 2C
18	5-hydroxytryptamine receptor 6 (5-HT6)	HTR6	P50406			5-hydroxytryptamine receptor 6
19	5-hydroxytryptamine receptor 7 (5-HT7)	HTR7	P34969			5-hydroxytryptamine receptor 7
20	adrenergic alpha1	ADRA1A	P35348			Alpha-1A adrenergic receptor
21	adrenergic beta-2 receptor (β2)	ADRB2	P07550			Beta-2 adrenergic receptor
22	adrenergic beta-2 receptor (beta2)	ADRB2	P07550			Beta-2 adrenergic receptor
23	adrenergic receptor alpha	ADRA1A	ADRA1B	ADRA1D	P35348 / P35368 / P25100	Alpha-1A / Alpha-1B / Alpha-1D adrenergic receptor
24	adrenergic receptor alpha-1	ADRA1A	P35348			Alpha-1A adrenergic receptor
25	adrenergic receptor beta	ADRB1	ADRB2	ADRB3	P08588 / P07550 / A8KAG8	Beta-1 / Beta-2 / Beta-3 adrenergic receptor
26	adrenergic receptor	—	—			Adrenergic receptor
27	adrenergic receptors; alpha-1 a & b	ADRA1A	ADRA1B	P35348 / P35368		Alpha-1A / Alpha-1B adrenergic receptor
28	adrenergic, alpha-2b-, receptor [homo sapiens]	ADRA2B	P18089			Alpha-2B adrenergic receptor
29	aldehyde dehydrogenase (aldh2)	ALDH2	P05091			Aldehyde dehydrogenase, mitochondrial
30	alpha-1a adrenergic receptor	ADRA1A	P35348			Alpha-1A adrenergic receptor
31	alpha-1b adrenergic receptor	ADRA1B	P35368			Alpha-1B adrenergic receptor
32	alpha-1d adrenergic receptor	ADRA1D	ADRA1A	P25100		Alpha-1D adrenergic receptor
33	alpha-2a adrenergic receptor [homo sapiens]	ADRA2A	P08913			Alpha-2A adrenergic receptor
34	angiotensin ii receptor	AGTR2	P50052			Type-2 angiotensin II receptor
35	angiotensin ii type 1a (at-1a)/1b (at-1b) receptor	AGTR1	P30556			Type-1 angiotensin II receptor
36	angiotensin-converting enzyme	ACE	P12821			Angiotensin-converting enzyme
37	cannabinoid cb1 receptor	CNR1	P21554			Cannabinoid receptor 1
38	cannabinoid cb1 receptor/orixin receptor 1 complex	CNR1	HCRT1R	P21554 / O43613		Cannabinoid receptor 1 / Orixin receptor type 1
39	cannabinoid receptor 1	CNR1	P21554			Cannabinoid receptor 1
40	carbonic anhydrase 2	CA2	P00918			Carbonic anhydrase 2
41	carbonic anhydrase 4	CA4	P22748			Carbonic anhydrase 4
42	corticotropin releasing factor receptor 1	CRHR1	P34998			Corticotropin-releasing factor receptor 1
43	corticotropin releasing factor-binding protein	CRHBP	P24387			Corticotropin-releasing factor-binding protein
44	gaba a alpha4beta2gamma2	GABRA4	GABRB2	GABRG2	P48169 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-4 / beta-2 / gamma-2
45	gaba a receptor alpha-1/beta-1/gamma-2	GABRA1	GABRB1	GABRG2	P14867 / P18505 / P18507	Gamma-aminobutyric acid receptor subunits alpha-1 / beta-1 / gamma-2
46	gaba a receptor alpha-3/beta-2/gamma-2	GABRA3	GABRB2	GABRG2	P34903 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-3 / beta-2 / gamma-2
47	gaba a receptor alpha-4/beta-3/gamma-2	GABRA4	GABRB3	GABRG2	P48169 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-4 / beta-3 / gamma-2
48	gaba a receptor alpha-6/beta-2/gamma-2	GABRA6	GABRB2	GABRG2	Q16445 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-6 / beta-2 / gamma-2
49	gaba receptor alpha-1/beta-1/gamma-2 subunit	GABRA1	GABRB1	GABRG2	P14867 / P18505 / P18507	Gamma-aminobutyric acid receptor subunits alpha-1 / beta-1 / gamma-2
50	gaba receptor alpha-1/beta-2/gamma-2 subunit	GABRA1	GABRB2	GABRG2	P14867 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-1 / beta-2 / gamma-2
51	gaba receptor alpha-1/beta-3/gamma-2 subunit	GABRA1	GABRB3	GABRG2	P14867 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-1 / beta-3 / gamma-2
52	gaba receptor alpha-2/beta-2/gamma-2 subunit	GABRA2	GABRB2	GABRG2	P47869 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-2 / beta-2 / gamma-2
53	gaba receptor alpha-2/beta-3/gamma-2 subunit	GABRA2	GABRB3	GABRG2	P47869 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-2 / beta-3 / gamma-2
54	gaba receptor alpha-3/beta-2/gamma-2 subunit	GABRA3	GABRB2	GABRG2	P34903 / P47870 / P18507	Gamma-aminobutyric acid receptor subunits alpha-3 / beta-2 / gamma-2
55	gaba receptor alpha-3/beta-3/gamma-2 subunit	GABRA3	GABRB3	GABRG2	P34903 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-3 / beta-3 / gamma-2
56	gaba receptor alpha-4/beta-3/gamma-2 subunit	GABRA4	GABRB3	GABRG2	P48169 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-4 / beta-3 / gamma-2
57	gaba receptor alpha-5/beta-3/gamma-2 subunit	GABRA5	GABRB3	GABRG2	P31644 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-5 / beta-3 / gamma-2
58	gaba receptor alpha-6/beta-3/gamma-2 subunit	GABRA5	GABRB3	GABRG2	Q16445 / P28472 / P18507	Gamma-aminobutyric acid receptor subunits alpha-6 / beta-3 / gamma-2
59	gaba receptor beta-3 subunit	GABRB3	P28472			Gamma-aminobutyric acid receptor subunit beta-3
60	gaba receptor rho-2 subunit	GABRR2	P28476			Gamma-aminobutyric acid receptor subunit rho-2
61	glutamate [nmda] receptor subunit epsilon 1/zeta 1	GRIN2A	GRIN1	Q12879 / Q05586		Glutamate receptor ionotropic, NMDA 2A / NMDA 1
62	glutamate [nmda] receptor subunit epsilon 2	GRIN2B	Q13224			Glutamate receptor ionotropic, NMDA 2B
63	glutamate [nmda] receptor subunit epsilon 2/zeta 1	GRIN2B	GRIN1	Q13224 / Q05586		Glutamate receptor ionotropic, NMDA 2B / NMDA 1
64	glutamate [nmda] receptor subunit epsilon 4	GRIN2D	Q15399			Glutamate receptor ionotropic, NMDA 2D
65	glutamate [nmda] receptor	—	—			Glutamate receptor ionotropic, NMDA
66	glyceraldehyde-3-phosphate dehydrogenase liver	GAPDH	P04406			Glyceraldehyde-3-phosphate dehydrogenase
67	glycine receptor (alpha-1/beta)	GLRA1	GLRB	P23415 / P48167		Glycine receptor subunits alpha-1 / beta
68	histamine h1 receptor	HRH1	P35367			Histamine H1 receptor
69	histamine h2 receptor	HRH2	P25021			Histamine H2 receptor
70	insulin receptor	INSR	P06213			Insulin receptor
71	melatonin receptor	MTNR1A	P48039			Melatonin receptor type 1A
72	mitochondrial complex i (nadh dehydrogenase)	—	—			NADH dehydrogenase
73	muscarinic acetylcholine receptor	CHRM1	P11229			Muscarinic acetylcholine receptor M1
74	nadh-ubiquinone oxidoreductase mlrq subunit	NDUFA4	O00483			Cytochrome c oxidase subunit NDUFA4
75	opioid receptors; mu/kappa/delta	OPRM1	OPRK1	OPRD1	P35372 / P41145 / P41143	Mu-type / Kappa-type / Delta-type opioid receptor
76	potassium channel subfamily k member 9	KCNK9	Q9NPC2			Potassium channel subfamily K member 9
77	progesterone	PGR	P06401			Progesterone receptor
78	secretin receptor	SCTR	P47872			Secretin receptor
79	sodium channel protein type i alpha subunit	SCN1A	P35498			Sodium channel protein type 1 subunit alpha
80	sodium channel protein type i i alpha subunit	SCN2A	Q99250			Sodium channel protein type 2 subunit alpha
81	sodium channel protein type iii alpha subunit	SCN3A	Q9NY46			Sodium channel protein type 3 subunit alpha
82	sodium channel protein type xi alpha subunit	SCN9A	Q15858			Sodium channel protein type 9 subunit alpha
83	synaptic vesicular amine transporter	SLC18A2	Q05940			Synaptic vesicular amine transporter
84	tacr1	TACR1	P25103			Substance-P receptor
85	vasopressin v1 receptor	AVPR1B	P47901			Vasopressin V1b receptor
86	vasopressin v1a receptor (v1a)	AVPR1A	P37288			Vasopressin V1a receptor
87	voltage-gated calcium channel	—	—			Voltage-dependent L-type calcium channel
88	voltage-gated l-type calcium channel alpha-1c subunit	CACNA1C	Q13936			Voltage-dependent L-type calcium channel subunit alpha-1C
89	voltage-gated l-type calcium channel	—	—			Voltage-dependent L-type calcium channel
90	voltage-gated n-type calcium channel alpha-1b subunit	CACNA1B	Q00975			Voltage-dependent N-type calcium channel subunit alpha-1B
91	voltage-gated t-type calcium channel alpha-1g subunit	CACNA1G	O43497			Voltage-dependent T-type calcium channel subunit alpha-1G
92	voltage-gated t-type calcium channel	—	—			Voltage-dependent L-type calcium channel