

SwissTargetPrediction

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
Multidrug and toxin extrusion protein 1	SLC47A1	Q96FL8	CHEMBL1743126	Electrochemical transporter	0.85702273779	6 / 1
Histamine H2 receptor	HRH2	P25021	CHEMBL1941	Family A G protein-coupled receptor	0.85702273779	18 / 1
Acetylcholinesterase	ACHE	P22303	CHEMBL220	Hydrolase	0.85702273779	234 / 41
Muscarinic acetylcholine receptor M2 (by homology)	CHRM2	P08172	CHEMBL211	Family A G protein-coupled receptor	0.262581505846	279 / 30
Muscarinic acetylcholine receptor M1 (by homology)	CHRM1	P11229	CHEMBL216	Family A G protein-coupled receptor	0.262581505846	326 / 30
Butyrylcholinesterase	BCHE	P06276	CHEMBL1914	Hydrolase	0.246150751368	43 / 30
Trace amine-associated receptor 1 (by homology)	TAAR1	Q96RJ0	CHEMBL5857	Family A G protein-coupled receptor	0.0978745343258	295 / 0
Hepatocyte growth factor receptor	MET	P08581	CHEMBL3717	Kinase	0.0978745343258	245 / 0
Norepinephrine transporter	SLC6A2	P23975	CHEMBL222	Electrochemical transporter	0.0978745343258	476 / 0
Serotonin transporter	SLC6A4	P31645	CHEMBL228	Electrochemical transporter	0.0978745343258	1218 / 0
Serine/threonine-protein kinase PIM1	PIM1	P11309	CHEMBL2147	Kinase	0.0978745343258	540 / 0
Serine/threonine-protein kinase PIM2	PIM2	Q9P1W9	CHEMBL4523	Kinase	0.0978745343258	320 / 0
Serine/threonine-protein kinase PIM3	PIM3	Q86V86	CHEMBL5407	Kinase	0.0978745343258	250 / 0
Alpha-2a adrenergic receptor	ADRA2A	P08913	CHEMBL1867	Family A G protein-coupled receptor	0.0978745343258	98 / 0
Adrenergic receptor alpha-2	ADRA2C	P18825	CHEMBL1916	Family A G protein-coupled receptor	0.0978745343258	84 / 0
Alpha-2b adrenergic receptor	ADRA2B	P18089	CHEMBL1942	Family A G protein-coupled receptor	0.0978745343258	66 / 0
Serotonin 6 (5-HT6) receptor	HTR6	P50406	CHEMBL3371	Family A G protein-coupled receptor	0.0978745343258	373 / 0
CDC7/DBF4 (Cell division cycle 7-related protein kinase/Activator of S phase kinase)	CDC7	O00311	CHEMBL5443	Kinase	0.0978745343258	18 / 0
Ephrin type-A receptor 2	EPHA2	P29317	CHEMBL2068	Kinase	0.0978745343258	17 / 0
Protein kinase C mu	PRKD1	Q15139	CHEMBL3863	Kinase	0.0978745343258	42 / 0
Serine/threonine-protein kinase D2	PRKD2	Q9BZL6	CHEMBL4900	Kinase	0.0978745343258	27 / 0
Squalene synthetase	FDFT1	P37268	CHEMBL3338	Enzyme	0.0978745343258	58 / 0

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
(by homology)						
Glycogen synthase kinase-3 beta	GSK3B	P49841	CHEMBL262	Kinase	0.0978745343258	126 / 0
Cyclin-dependent kinase 2	CDK2	P24941	CHEMBL301	Kinase	0.0978745343258	137 / 0
Tyrosine-protein kinase JAK1	JAK1	P23458	CHEMBL2835	Kinase	0.0978745343258	253 / 0
Tyrosine-protein kinase JAK2	JAK2	O60674	CHEMBL2971	Kinase	0.0978745343258	357 / 0
Serotonin 2c (5-HT2c) receptor	HTR2C	P28335	CHEMBL225	Family A G protein-coupled receptor	0.0978745343258	326 / 0
Adenosine A1 receptor	ADORA1	P30542	CHEMBL226	Family A G protein-coupled receptor	0.0978745343258	330 / 0
Adenosine A2a receptor	ADORA2A	P29274	CHEMBL251	Family A G protein-coupled receptor	0.0978745343258	388 / 0
Adenosine A2b receptor	ADORA2B	P29275	CHEMBL255	Family A G protein-coupled receptor	0.0978745343258	96 / 0
Adenosine A3 receptor	ADORA3	P0DMS8	CHEMBL256	Family A G protein-coupled receptor	0.0978745343258	279 / 0
Protein kinase C theta	PRKCQ	Q04759	CHEMBL3920	Kinase	0.0978745343258	116 / 0
Multidrug and toxin extrusion protein 2	SLC47A2	Q86VL8	CHEMBL1743127	Electrochemical transporter	0.0978745343258	2 / 0
DNA topoisomerase I	TOP1	P11387	CHEMBL1781	Isomerase	0.0978745343258	45 / 0
Cytochrome P450 3A4	CYP3A4	P08684	CHEMBL340	Cytochrome P450	0.0978745343258	13 / 0
Hypoxia-inducible factor 1 alpha	HIF1A	Q16665	CHEMBL4261	Transcription factor	0.0978745343258	14 / 0
MAP kinase-activated protein kinase 2	MAPKAPK2	P49137	CHEMBL2208	Kinase	0.0978745343258	202 / 0
MAP kinase ERK2	MAPK1	P28482	CHEMBL4040	Kinase	0.0978745343258	264 / 0
Leukotriene A4 hydrolase	LTA4H	P09960	CHEMBL4618	Protease	0.0978745343258	80 / 0
Histamine H3 receptor	HRH3	Q9Y5N1	CHEMBL264	Family A G protein-coupled receptor	0.0978745343258	550 / 0
Poly [ADP-ribose] polymerase-1	PARP1	P09874	CHEMBL3105	Enzyme	0.0978745343258	300 / 0
Muscarinic acetylcholine receptor M3	CHRM3	P20309	CHEMBL245	Family A G protein-coupled receptor	0.0978745343258	204 / 0
3-phosphoinositide dependent protein kinase-1	PDPK1	O15530	CHEMBL2534	Kinase	0.0978745343258	102 / 0
Sodium channel protein type IX alpha subunit	SCN9A	Q15858	CHEMBL4296	Voltage-gated ion channel	0.0978745343258	180 / 0
Ribosomal protein S6 kinase 1	RPS6KB1	P23443	CHEMBL4501	Kinase	0.0978745343258	201 / 0

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
Neuronal acetylcholine receptor; alpha4/beta2	CHRNA4 CHRNA2	P43681 P17787	CHEMBL1907589	Ligand-gated ion channel	0.0978745343258	90 / 0
Neuronal acetylcholine receptor protein alpha-7 subunit	CHRNA7	P36544	CHEMBL2492	Ligand-gated ion channel	0.0978745343258	89 / 0
Glutathione S-transferase Pi	GSTP1	P09211	CHEMBL3902	Enzyme	0.0978745343258	1 / 0
5-lipoxygenase activating protein	ALOX5AP	P20292	CHEMBL4550	Other cytosolic protein	0.0978745343258	225 / 0
Glutathione S-transferase Mu 2	GSTM2	P28161	CHEMBL4589	Enzyme	0.0978745343258	1 / 0
Serine/threonine-protein kinase Chk1	CHEK1	O14757	CHEMBL4630	Kinase	0.0978745343258	408 / 0
Adrenergic receptor beta	ADRB2	P07550	CHEMBL210	Family A G protein-coupled receptor	0.0978745343258	246 / 0
Tyrosine-protein kinase SYK	SYK	P43405	CHEMBL2599	Kinase	0.0978745343258	460 / 0
DNA topoisomerase II	TOP2B	Q02880	CHEMBL3396	Isomerase	0.0978745343258	2 / 0
Stem cell growth factor receptor	KIT	P10721	CHEMBL1936	Kinase	0.0978745343258	78 / 0
Tyrosine-protein kinase receptor FLT3	FLT3	P36888	CHEMBL1974	Kinase	0.0978745343258	153 / 0
Inhibitor of nuclear factor kappa B kinase beta subunit	IKBKB	O14920	CHEMBL1991	Kinase	0.0978745343258	96 / 0
Inosine-5'-monophosphate dehydrogenase 2	IMPDH2	P12268	CHEMBL2002	Oxidoreductase	0.0978745343258	33 / 0
Histamine H4 receptor	HRH4	Q9H3N8	CHEMBL3759	Family A G protein-coupled receptor	0.0978745343258	182 / 0
G protein-coupled receptor kinase 5	GRK5	P34947	CHEMBL5678	Kinase	0.0978745343258	5 / 0
Mu opioid receptor (by homology)	OPRM1	P35372	CHEMBL233	Family A G protein-coupled receptor	0.0978745343258	1025 / 0
Delta opioid receptor (by homology)	OPRD1	P41143	CHEMBL236	Family A G protein-coupled receptor	0.0978745343258	857 / 0
PI3-kinase p110-beta subunit	PIK3CB	P42338	CHEMBL3145	Enzyme	0.0978745343258	135 / 0
PI3-kinase p110-alpha subunit	PIK3CA	P42336	CHEMBL4005	Enzyme	0.0978745343258	629 / 0
G-protein coupled receptor kinase 2	GRK2	P25098	CHEMBL4079	Kinase	0.0978745343258	4 / 0
Serotonin 1f (5-HT1f) receptor	HTR1F	P30939	CHEMBL1805	Family A G protein-coupled receptor	0.0978745343258	60 / 0
Serotonin 1b (5-HT1b) receptor	HTR1B	P28222	CHEMBL1898	Family A G protein-coupled	0.0978745343258	138 / 0

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
				receptor		
Serotonin 3a (5-HT3a) receptor	HTR3A	P46098	CHEMBL1899	Ligand-gated ion channel	0.0978745343258	83 / 0
Mitogen-activated protein kinase kinase 12	MAP3K12	Q12852	CHEMBL1908389	Enzyme	0.0978745343258	98 / 0
Serotonin 1d (5-HT1d) receptor	HTR1D	P28221	CHEMBL1983	Family A G protein-coupled receptor	0.0978745343258	143 / 0
Beta-1 adrenergic receptor (by homology)	ADRB1	P08588	CHEMBL213	Family A G protein-coupled receptor	0.0978745343258	238 / 0
Serotonin 1a (5-HT1a) receptor	HTR1A	P08908	CHEMBL214	Family A G protein-coupled receptor	0.0978745343258	425 / 0
Glycogen synthase kinase-3 alpha	GSK3A	P49840	CHEMBL2850	Kinase	0.0978745343258	19 / 0
Tyrosine-protein kinase ABL	ABL1	P00519	CHEMBL1862	Kinase	0.0978745343258	115 / 0
Platelet-derived growth factor receptor alpha	PDGFRA	P16234	CHEMBL2007	Kinase	0.0978745343258	19 / 0
Serine/threonine-protein kinase Aurora-B	AURKB	Q96GD4	CHEMBL2185	Kinase	0.0978745343258	194 / 0
Serine/threonine-protein kinase AKT2	AKT2	P31751	CHEMBL2431	Kinase	0.0978745343258	120 / 0
Tyrosine-protein kinase SRC	SRC	P12931	CHEMBL267	Kinase	0.0978745343258	262 / 0
Focal adhesion kinase 1	PTK2	Q05397	CHEMBL2695	Kinase	0.0978745343258	112 / 0
Vascular endothelial growth factor receptor 2	KDR	P35968	CHEMBL279	Kinase	0.0978745343258	484 / 0
Rho-associated protein kinase 1	ROCK1	Q13464	CHEMBL3231	Kinase	0.0978745343258	133 / 0
Fibroblast growth factor receptor 1	FGFR1	P11362	CHEMBL3650	Kinase	0.0978745343258	106 / 0
Ribosomal protein S6 kinase alpha 5	RPS6KA5	O75582	CHEMBL4237	Kinase	0.0978745343258	28 / 0
Serine/threonine-protein kinase AKT	AKT1	P31749	CHEMBL4282	Kinase	0.0978745343258	393 / 0
Serine/threonine-protein kinase Aurora-A	AURKA	O14965	CHEMBL4722	Kinase	0.0978745343258	329 / 0
Serine/threonine-protein kinase AKT	AKT3	Q9Y243	CHEMBL4816	Kinase	0.0978745343258	58 / 0
Epidermal growth factor receptor erbB1	EGFR	P00533	CHEMBL203	Kinase	0.0978745343258	602 / 0
Nitric-oxide synthase, brain	NOS1	P29475	CHEMBL3568	Enzyme	0.0978745343258	87 / 0
Myeloperoxidase	MPO	P05164	CHEMBL2439	Enzyme	0.0978745343258	13 / 0
Methionine	METAP2	P50579	CHEMBL3922	Protease	0.0978745343258	81 / 0

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
aminopeptidase 2						
Sodium/calcium exchanger 1	SLC8A1	P32418	CHEMBL4076	Electrochemical transporter	0.0978745343258	24 / 0
GABA receptor alpha-5 subunit	GABRA5	P31644	CHEMBL5112	Ligand-gated ion channel	0.0978745343258	32 / 0
Neuronal acetylcholine receptor protein alpha-4 subunit	CHRNA4	P43681	CHEMBL1882	Ligand-gated ion channel	0.0978745343258	62 / 0
Serotonin 2a (5-HT2a) receptor (by homology)	HTR2A	P28223	CHEMBL224	Family A G protein-coupled receptor	0.0978745343258	575 / 0
Serine/threonine-protein kinase RAF	RAF1	P04049	CHEMBL1906	Kinase	0.0978745343258	10 / 0
Tyrosine-protein kinase JAK3	JAK3	P52333	CHEMBL2148	Kinase	0.0978745343258	228 / 0
c-Jun N-terminal kinase 1	MAPK8	P45983	CHEMBL2276	Kinase	0.0978745343258	80 / 0
Protein kinase C iota	PRKCI	P41743	CHEMBL2598	Kinase	0.0978745343258	95 / 0
MAP kinase p38 alpha (by homology)	MAPK14	Q16539	CHEMBL260	Kinase	0.0978745343258	184 / 0
Matrix metalloproteinase 13	MMP13	P45452	CHEMBL280	Protease	0.0978745343258	168 / 0