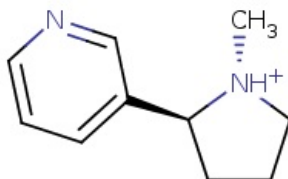


SwissTargetPrediction report:

Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.




Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Complex	P11230/Q07001/P02708/P07510	CHRNA1/CHRNA2/CHRNA3/CHRNA4	CHEMBL1907588	<div><div></div></div>	3 / 1	Ion channel
Complex	P17787/P43681	CHRNA2/CHRNA4	CHEMBL1907589	<div><div></div></div>	53 / 96	Ion channel
Complex	P30926/P32297	CHRNA4/CHRNA3	CHEMBL1907594	<div><div></div></div>	14 / 26	Ion channel
Complex	P30926/P43681	CHRNA4/CHRNA4	CHEMBL1907591	<div><div></div></div>	2 / 4	Ion channel
Complex	P30926/Q15822	CHRNA4/CHRNA2	CHEMBL2109230	<div><div></div></div>	2 / 4	Ion channel
Neuronal acetylcholine receptor subunit alpha-3	P32297	CHRNA3	CHEMBL3068	<div><div></div></div>	11 / 2	Ion channel
Complex	P32297/P17787	CHRNA3/CHRNA2	CHEMBL2109234	<div><div></div></div>	4 / 4	Ion channel
Neuronal acetylcholine receptor subunit alpha-7	P36544	CHRNA7	CHEMBL2492	<div><div></div></div>	70 / 125	Ion channel
Neuronal acetylcholine receptor subunit alpha-4 (by homology)	P43681	CHRNA4	CHEMBL1882	<div><div></div></div>	14 / 6	Ion channel
Complex	Q15822/P17787	CHRNA2/CHRNA2	CHEMBL2109236	<div><div></div></div>	1 / 1	Ion channel
CHRNA7-FAM7A fusion protein (by homology)	Q494W8	CHRFAM7A		<div><div></div></div>	70 / 125	Ion channel
Neuronal acetylcholine receptor subunit alpha-2 (by homology)	Q15822	CHRNA2	CHEMBL1794	<div><div></div></div>	14 / 6	Ion channel

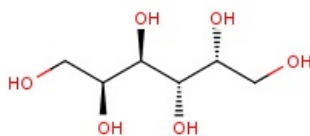
Neuronal acetylcholine receptor subunit beta-2 (<i>by homology</i>)	P17787	CHRNA2	CHEMBL1883		4 / 2	ion channel
Neuronal acetylcholine receptor subunit beta-4 (<i>by homology</i>)	P30926	CHRNA4	CHEMBL3002		4 / 2	ion channel
Neuronal acetylcholine receptor subunit alpha-10 (<i>by homology</i>)	Q9GZZ6	CHRNA10	CHEMBL2551		18 / 1	ion channel

SwissTargetPrediction report:

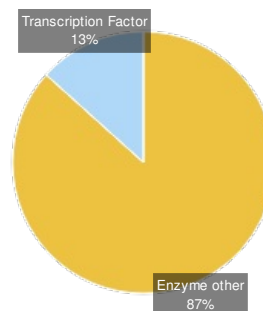
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



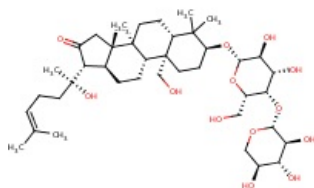
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	2 / 5	Enzyme
Glucosylceramidase	P04062	GBA	CHEMBL2179	<div><div></div></div>	2 / 2	Enzyme
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 3 (by homology)	P07451	CA3	CHEMBL2885	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 5A, mitochondrial (by homology)	P35218	CA5A	CHEMBL4789	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 7 (by homology)	P43166	CA7	CHEMBL2326	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 13 (by homology)	Q8N1Q1	CA13	CHEMBL3912	<div><div></div></div>	3 / 2	Enzyme
Carbonic anhydrase 5B, mitochondrial (by homology)	Q9Y2D0	CA5B	CHEMBL3969	<div><div></div></div>	3 / 2	Enzyme
Tissue alpha-L-fucosidase	P04066	FUCA1	CHEMBL4176	<div><div></div></div>	4 / 5	Enzyme
Plasma alpha-L-fucosidase (by homology)	Q9BTY2	FUCA2	CHEMBL2271	<div><div></div></div>	4 / 5	Enzyme
Oxysterols receptor LXR-beta	P55055	NR1H2	CHEMBL4093	<div><div></div></div>	0 / 2	Transcription Factor
Oxysterols receptor LXR-alpha	Q13133	NR1H3	CHEMBL2808	<div><div></div></div>	0 / 2	Transcription Factor
Glucoamylase	O43451	MGAM	CHEMBL2074	<div><div></div></div>	2 / 3	Enzyme
Sucrase	P14410	SI	CHEMBL2748	<div><div></div></div>	2 / 3	Enzyme

SwissTargetPrediction report:

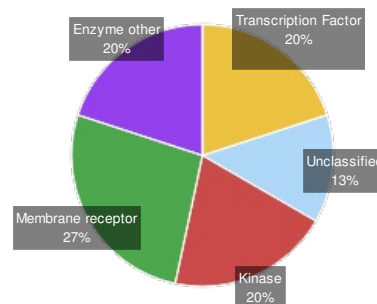
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



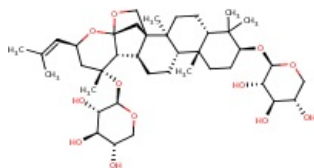
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	1 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	1 / 4	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	1 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	1 / 4	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	1 / 19	Unclassified
Vascular endothelial growth factor receptor 1 (by homology)	P17948	FLT1	CHEMBL1868	<div><div></div></div>	5 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 2	P35968	KDR	CHEMBL279	<div><div></div></div>	5 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 3 (by homology)	P35916	FLT4	CHEMBL1955	<div><div></div></div>	5 / 1	Tyr Kinase
Alpha-2A adrenergic receptor	P08913	ADRA2A	CHEMBL1867	<div><div></div></div>	2 / 2	Membrane receptor
Alpha-2B adrenergic receptor	P18089	ADRA2B	CHEMBL1942	<div><div></div></div>	2 / 2	Membrane receptor
Alpha-2C adrenergic receptor	P18825	ADRA2C	CHEMBL1916	<div><div></div></div>	2 / 2	Membrane receptor
Cytochrome P450 2D6	P10635	CYP2D6	CHEMBL289	<div><div></div></div>	1 / 1	Enzyme
Cytochrome P450 2J2	P51589	CYP2J2	CHEMBL3491	<div><div></div></div>	1 / 1	Enzyme
Platelet-activating factor receptor	P25105	PTAFR	CHEMBL250	<div><div></div></div>	1 / 39	Membrane receptor
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	0 / 4	Enzyme

SwissTargetPrediction report:

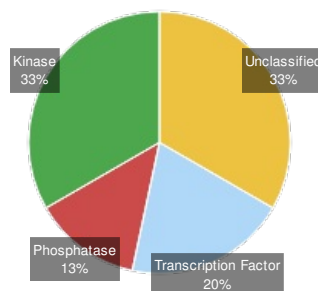
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



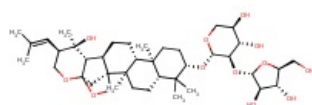
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	1 / 2	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	1 / 2	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	1 / 2	Unclassified
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	1 / 7	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	1 / 7	Tyr Phosphatase
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	0 / 12	Unclassified
Protein kinase C gamma type (<i>by homology</i>)	P05129	PRKCG	CHEMBL2938	<div><div></div></div>	1 / 123	Ser_Thr Kinase
Protein kinase C beta type (<i>by homology</i>)	P05771	PRKCB	CHEMBL3045	<div><div></div></div>	1 / 123	Ser_Thr Kinase
Protein kinase C alpha type	P17252	PRKCA	CHEMBL299	<div><div></div></div>	1 / 123	Ser_Thr Kinase
Protein kinase C theta type (<i>by homology</i>)	Q04759	PRKCQ	CHEMBL3920	<div><div></div></div>	1 / 126	Ser_Thr Kinase
Protein kinase C delta type regulatory subunit (<i>by homology</i>)	Q05655	PRKCD	CHEMBL2996	<div><div></div></div>	1 / 126	Ser_Thr Kinase

SwissTargetPrediction report:

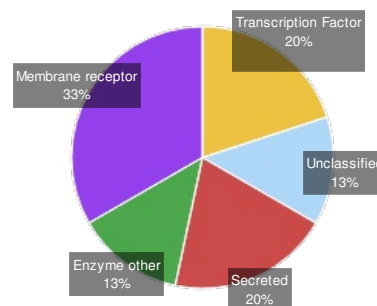
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



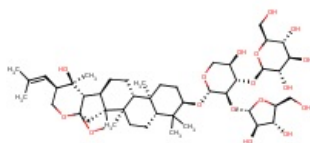
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 7	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 7	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	0 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 4	Enzyme
Inactive heparanase-2 (<i>by homology</i>)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 4	Enzyme
Muscarinic acetylcholine receptor M5 (<i>by homology</i>)	P08912	CHRM5	CHEMBL2035	<div><div></div></div>	0 / 2	Membrane receptor
Muscarinic acetylcholine receptor M1	P11229	CHRM1	CHEMBL216	<div><div></div></div>	0 / 2	Membrane receptor
Muscarinic acetylcholine receptor M3 (<i>by homology</i>)	P20309	CHRM3	CHEMBL245	<div><div></div></div>	0 / 2	Membrane receptor
Muscarinic acetylcholine receptor M2 (<i>by homology</i>)	P08172	CHRM2	CHEMBL211	<div><div></div></div>	0 / 2	Membrane receptor
Muscarinic acetylcholine receptor M4 (<i>by homology</i>)	P08173	CHRM4	CHEMBL1821	<div><div></div></div>	0 / 2	Membrane receptor
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 3	Unclassified

SwissTargetPrediction report:

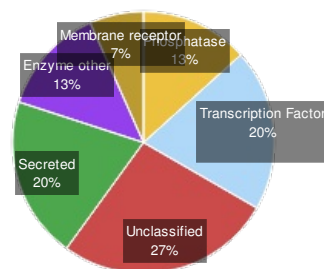
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



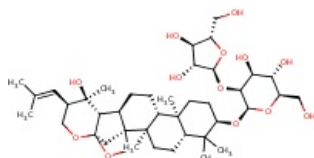
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	6 / 2	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	6 / 2	Tyr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 8	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 8	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	0 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 4	Enzyme
Inactive heparanase-2 (<i>by homology</i>)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 4	Enzyme
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 3	Unclassified
Muscarinic acetylcholine receptor M5 (<i>by homology</i>)	P08912	CHRM5	CHEMBL2035	<div><div></div></div>	0 / 2	Membrane receptor

SwissTargetPrediction report:

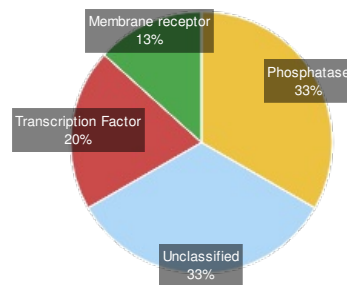
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



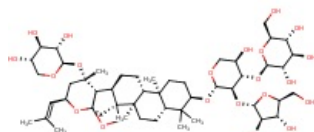
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	4 / 2	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	4 / 2	Tyr Phosphatase
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	1 / 3	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	1 / 3	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	1 / 3	Unclassified
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	1 / 10	Unclassified
Serine/threonine-protein phosphatase PP1-gamma catalytic subunit	P36873	PPP1CC	CHEMBL4438	<div><div></div></div>	1 / 2	Ser_Thr Phosphatase
Serine/threonine-protein phosphatase PP1-alpha catalytic subunit	P62136	PPP1CA	CHEMBL2164	<div><div></div></div>	1 / 2	Ser_Thr Phosphatase
Serine/threonine-protein phosphatase PP1-beta catalytic subunit (<i>by homology</i>)	P62140	PPP1CB	CHEMBL4546	<div><div></div></div>	1 / 2	Ser_Thr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
D(2) dopamine receptor	P14416	DRD2	CHEMBL217	<div><div></div></div>	4 / 2	Membrane receptor
5-hydroxytryptamine receptor 2A	P28223	HTR2A	CHEMBL224	<div><div></div></div>	1 / 1	Membrane receptor

SwissTargetPrediction report:

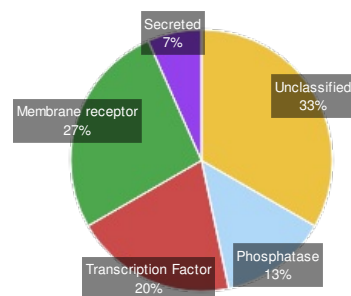
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



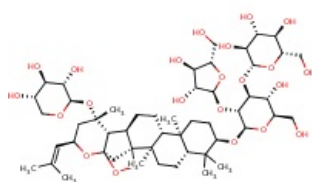
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	2 / 6	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	2 / 6	Tyr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	0 / 12	Unclassified
Mu-type opioid receptor	P35372	OPRM1	CHEMBL233	<div><div></div></div>	1 / 6	Membrane receptor
Delta-type opioid receptor	P41143	OPRD1	CHEMBL236	<div><div></div></div>	1 / 6	Membrane receptor
Kappa-type opioid receptor	P41145	OPRK1	CHEMBL237	<div><div></div></div>	1 / 6	Membrane receptor
Nociceptin receptor (<i>by homology</i>)	P41146	OPRL1	CHEMBL2014	<div><div></div></div>	1 / 6	Membrane receptor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 6	Secreted

SwissTargetPrediction report:

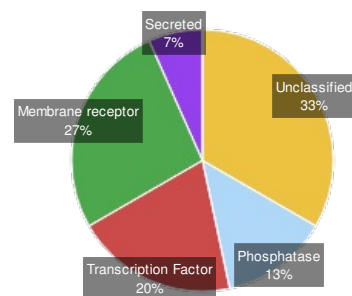
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



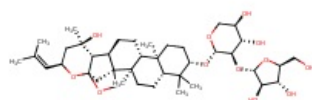
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	2 / 6	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	2 / 6	Tyr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	0 / 12	Unclassified
Mu-type opioid receptor	P35372	OPRM1	CHEMBL233	<div><div></div></div>	1 / 6	Membrane receptor
Delta-type opioid receptor	P41143	OPRD1	CHEMBL236	<div><div></div></div>	1 / 6	Membrane receptor
Kappa-type opioid receptor	P41145	OPRK1	CHEMBL237	<div><div></div></div>	1 / 6	Membrane receptor
Nociceptin receptor (<i>by homology</i>)	P41146	OPRL1	CHEMBL2014	<div><div></div></div>	1 / 6	Membrane receptor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 6	Secreted

SwissTargetPrediction report:

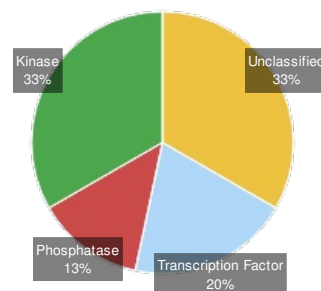
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



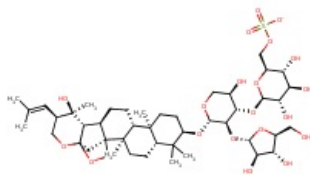
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	1 / 12	Unclassified
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	2 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	2 / 4	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	2 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	2 / 4	Transcription Factor
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (by homology)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (by homology)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	1 / 6	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (by homology)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	1 / 6	Tyr Phosphatase
Vascular endothelial growth factor receptor 1	P17948	FLT1	CHEMBL1868	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 2	P35968	KDR	CHEMBL279	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 3 (by homology)	P35916	FLT4	CHEMBL1955	<div><div></div></div>	1 / 1	Tyr Kinase
Protein kinase C gamma type (by homology)	P05129	PRKCG	CHEMBL2938	<div><div></div></div>	1 / 137	Ser_Thr Kinase
Protein kinase C beta type	P05771	PRKCB	CHEMBL3045	<div><div></div></div>	1 / 137	Ser_Thr Kinase

SwissTargetPrediction report:

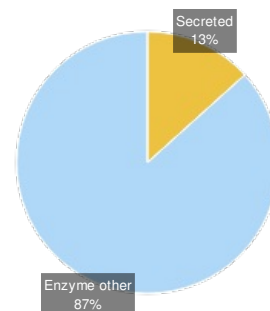
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



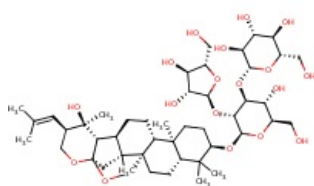
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 13	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 13	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 7	Enzyme
Inactive heparanase-2 (<i>by homology</i>)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 7	Enzyme
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 5A, mitochondrial (<i>by homology</i>)	P35218	CA5A	CHEMBL4789	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 7 (<i>by homology</i>)	P43166	CA7	CHEMBL2326	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 13 (<i>by homology</i>)	Q8N1Q1	CA13	CHEMBL3912	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 5B, mitochondrial (<i>by homology</i>)	Q9Y2D0	CA5B	CHEMBL3969	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 3 (<i>by homology</i>)	P07451	CA3	CHEMBL2885	<div><div></div></div>	2 / 21	Enzyme
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	2 / 1	Enzyme
Carbonic anhydrase 12	O43570	CA12	CHEMBL3242	<div><div></div></div>	0 / 13	Enzyme
Carbonic anhydrase 9	Q16790	CA9	CHEMBL3594	<div><div></div></div>	0 / 15	Enzyme
Carbonic anhydrase 14 (<i>by homology</i>)	Q9ULX7	CA14	CHEMBL3510	<div><div></div></div>	0 / 13	Enzyme

SwissTargetPrediction report:

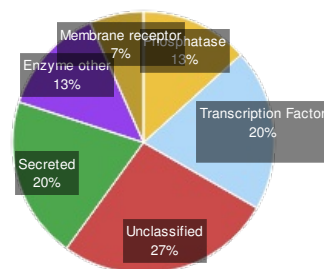
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



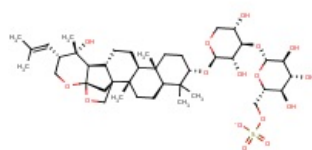
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	4 / 2	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	4 / 2	Tyr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 8	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 8	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	0 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 4	Enzyme
Inactive heparanase-2 (<i>by homology</i>)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 4	Enzyme
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 3	Unclassified
Muscarinic acetylcholine receptor M5 (<i>by homology</i>)	P08912	CHRM5	CHEMBL2035	<div><div></div></div>	0 / 2	Membrane receptor

SwissTargetPrediction report:

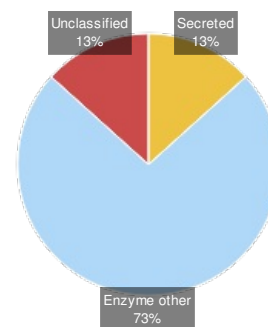
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



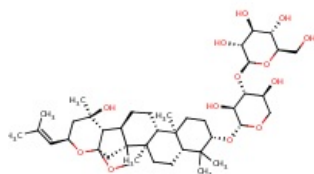
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 12	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 12	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 7	Enzyme
Inactive heparanase-2 (by homology)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 7	Enzyme
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 5A, mitochondrial (by homology)	P35218	CA5A	CHEMBL4789	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 7 (by homology)	P43166	CA7	CHEMBL2326	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 13 (by homology)	Q8N1Q1	CA13	CHEMBL3912	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 5B, mitochondrial (by homology)	Q9Y2D0	CA5B	CHEMBL3969	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 3 (by homology)	P07451	CA3	CHEMBL2885	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	1 / 1	Enzyme
Ras-related protein Rap-1A	P62834	RAP1A	CHEMBL1255139	<div><div></div></div>	0 / 1	Unclassified
cAMP-specific 3',5'-cyclic phosphodiesterase 4D	Q08499	PDE4D	CHEMBL288	<div><div></div></div>	0 / 1	Enzyme
Ras-related protein Rap-1b (by homology)	P61224	RAP1B		<div><div></div></div>	0 / 1	Unclassified

SwissTargetPrediction report:

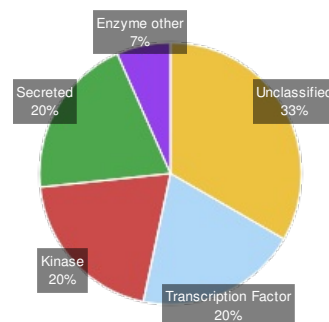
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



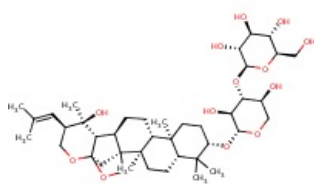
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (by homology)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (by homology)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Vascular endothelial growth factor receptor 1	P17948	FLT1	CHEMBL1868	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 2	P35968	KDR	CHEMBL279	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 3 (by homology)	P35916	FLT4	CHEMBL1955	<div><div></div></div>	1 / 1	Tyr Kinase
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	0 / 12	Unclassified
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 6	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 6	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	0 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 4	Enzyme

SwissTargetPrediction report:

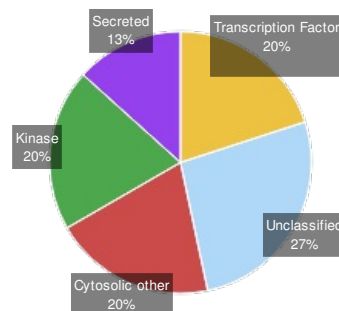
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



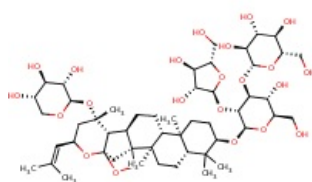
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Bcl-2-like protein 1	Q07817	BCL2L1	CHEMBL4625	<div><div></div></div>	0 / 1	Cytosolic other
Apoptosis regulator Bcl-2 (by homology)	P10415	BCL2	CHEMBL4860	<div><div></div></div>	0 / 1	Cytosolic other
Bcl-2-like protein 2 (by homology)	Q92843	BCL2L2	CHEMBL4677	<div><div></div></div>	0 / 1	Cytosolic other
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 2 (by homology)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 3 (by homology)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 3	Unclassified
Vascular endothelial growth factor receptor 1	P17948	FLT1	CHEMBL1868	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 2	P35968	KDR	CHEMBL279	<div><div></div></div>	1 / 1	Tyr Kinase
Vascular endothelial growth factor receptor 3 (by homology)	P35916	FLT4	CHEMBL1955	<div><div></div></div>	1 / 1	Tyr Kinase
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 6	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 6	Secreted

SwissTargetPrediction report:

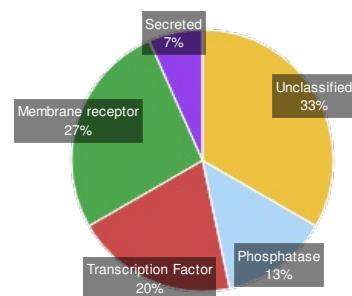
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



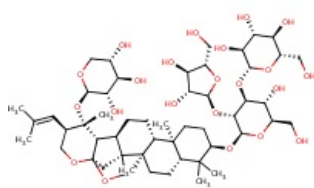
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	2 / 6	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	2 / 6	Tyr Phosphatase
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	0 / 12	Unclassified
Mu-type opioid receptor	P35372	OPRM1	CHEMBL233	<div><div></div></div>	1 / 6	Membrane receptor
Delta-type opioid receptor	P41143	OPRD1	CHEMBL236	<div><div></div></div>	1 / 6	Membrane receptor
Kappa-type opioid receptor	P41145	OPRK1	CHEMBL237	<div><div></div></div>	1 / 6	Membrane receptor
Nociceptin receptor (<i>by homology</i>)	P41146	OPRL1	CHEMBL2014	<div><div></div></div>	1 / 6	Membrane receptor
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 6	Secreted

SwissTargetPrediction report:

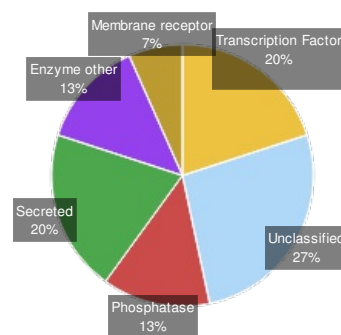
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of bioactive molecules, *Bioinformatics* (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



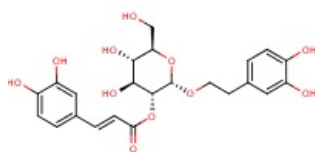
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	0 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	0 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	0 / 4	Transcription Factor
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	2 / 2	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	2 / 2	Tyr Phosphatase
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 8	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 8	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	0 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 4	Enzyme
Inactive heparanase-2 (<i>by homology</i>)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 4	Enzyme
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 3	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 3	Unclassified
Muscarinic acetylcholine receptor M5 (<i>by homology</i>)	P08912	CHRM5	CHEMBL2035	<div><div></div></div>	0 / 2	Membrane receptor

SwissTargetPrediction report:

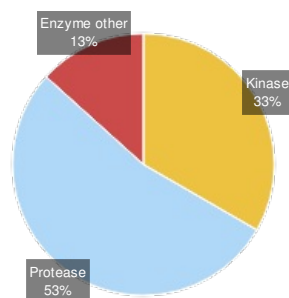
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



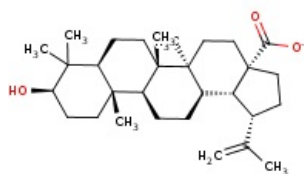
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Protein kinase C gamma type (by homology)	P05129	PRKCG	CHEMBL2938	<div><div></div></div>	10 / 43	Ser_Thr Kinase
Protein kinase C beta type (by homology)	P05771	PRKCB	CHEMBL3045	<div><div></div></div>	10 / 43	Ser_Thr Kinase
Protein kinase C alpha type	P17252	PRKCA	CHEMBL299	<div><div></div></div>	10 / 43	Ser_Thr Kinase
Protein kinase C theta type (by homology)	Q04759	PRKCQ	CHEMBL3920	<div><div></div></div>	10 / 45	Ser_Thr Kinase
Protein kinase C delta type regulatory subunit (by homology)	Q05655	PRKCD	CHEMBL2996	<div><div></div></div>	10 / 45	Ser_Thr Kinase
PEX	P08253	MMP2	CHEMBL333	<div><div></div></div>	17 / 6	Metallo Protease
67 kDa matrix metalloproteinase-9 (by homology)	P14780	MMP9	CHEMBL321	<div><div></div></div>	17 / 6	Metallo Protease
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	17 / 5	Metallo Protease
Stromelysin-1 (by homology)	P08254	MMP3	CHEMBL283	<div><div></div></div>	17 / 5	Metallo Protease
Macrophage metalloelastase	P39900	MMP12	CHEMBL4393	<div><div></div></div>	14 / 5	Metallo Protease
Collagenase 3	P45452	MMP13	CHEMBL280	<div><div></div></div>	14 / 5	Metallo Protease
Stromelysin-2 (by homology)	P09238	MMP10	CHEMBL4270	<div><div></div></div>	17 / 5	Metallo Protease
Matrix metalloproteinase-27 (by homology)	Q9H306	MMP27		<div><div></div></div>	17 / 5	Metallo Protease
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	15 / 23	Enzyme
Aldose reductase	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	15 / 23	Enzyme

SwissTargetPrediction report:

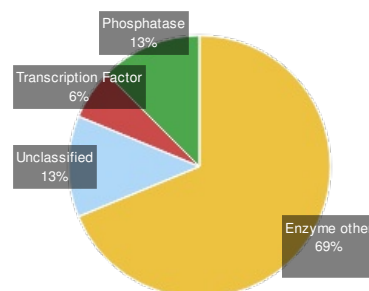
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



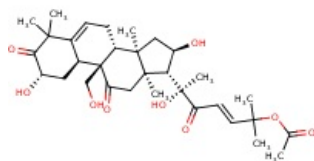
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	4 / 8	Enzyme
DNA polymerase beta (by homology)	P06746	POLB	CHEMBL2392	<div><div></div></div>	7 / 11	Enzyme
Aldose reductase (by homology)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	4 / 8	Enzyme
Aldo-keto reductase family 1 member B15 (by homology)	C9JRZ8	AKR1B15		<div><div></div></div>	4 / 8	Enzyme
Alcohol dehydrogenase [NADP(+)] (by homology)	P14550	AKR1A1	CHEMBL2246	<div><div></div></div>	4 / 8	Enzyme
1,5-anhydro-D-fructose reductase (by homology)	Q96JD6	AKR1E2		<div><div></div></div>	4 / 8	Enzyme
Complex	Q9UBE0/Q9UBT2	SAE1/UBA2	CHEMBL2095174	<div><div></div></div>	1 / 1	Unclassified /Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	4 / 17	Unclassified
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	20 / 21	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (by homology)	Q7Z5J1	HSD11B1L		<div><div></div></div>	20 / 21	Enzyme
Bile acid receptor	Q96RI1	NR1H4	CHEMBL2047	<div><div></div></div>	22 / 13	Transcription Factor
M-phase inducer phosphatase 1	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	3 / 19	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2 (by homology)	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	3 / 19	Ser_Thr_Tyr Phosphatase
DNA topoisomerase 2-alpha	P11388	TOP2A	CHEMBL1806	<div><div></div></div>	1 / 2	Enzyme
DNA topoisomerase 2-beta (by homology)	Q02880	TOP2B	CHEMBL3396	<div><div></div></div>	1 / 2	Enzyme

SwissTargetPrediction report:

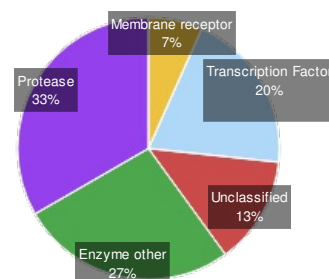
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



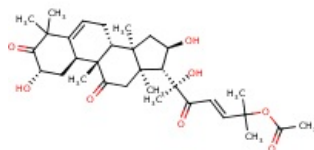
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Integrin alpha-L	P20701	ITGAL	CHEMBL1803	<div><div></div></div>	1 / 4	Membrane receptor
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	2 / 1	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	2 / 1	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	2 / 1	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	2 / 1	Transcription Factor
DNA polymerase alpha catalytic subunit	P09884	POLA1	CHEMBL1828	<div><div></div></div>	2 / 10	Enzyme
Quinone oxidoreductase (by homology)	Q08257	CRYZ	CHEMBL6118	<div><div></div></div>	10 / 24	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	102 / 31	Unclassified
3-hydroxy-3-methylglutaryl-coenzyme A reductase (by homology)	P04035	HMGCR	CHEMBL402	<div><div></div></div>	27 / 75	Enzyme
Tubulin--tyrosine ligase	Q8NG68	TTL	CHEMBL5549	<div><div></div></div>	7 / 12	Enzyme
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	118 / 3	Metallo Protease
Stromelysin-1	P08254	MMP3	CHEMBL283	<div><div></div></div>	118 / 3	Metallo Protease
Neutrophil collagenase (by homology)	P22894	MMP8	CHEMBL4588	<div><div></div></div>	94 / 3	Metallo Protease
Macrophage metalloelastase (by homology)	P39900	MMP12	CHEMBL4393	<div><div></div></div>	110 / 3	Metallo Protease
Collagenase 3 (by homology)	P45452	MMP13	CHEMBL280	<div><div></div></div>	110 / 3	Metallo Protease

SwissTargetPrediction report:

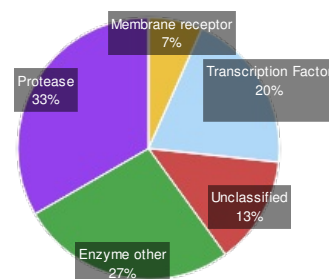
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



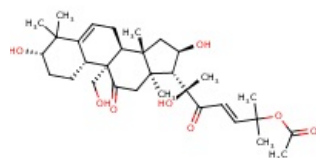
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Integrin alpha-L	P20701	ITGAL	CHEMBL1803	<div><div></div></div>	3 / 4	Membrane receptor
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	4 / 1	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	4 / 1	Unclassified
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	4 / 1	Transcription Factor
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	3 / 1	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	234 / 32	Unclassified
DNA polymerase alpha catalytic subunit	P09884	POLA1	CHEMBL1828	<div><div></div></div>	3 / 10	Enzyme
Nitric oxide synthase, brain (by homology)	P29475	NOS1	CHEMBL3568	<div><div></div></div>	12 / 15	Enzyme
Nitric oxide synthase, inducible	P35228	NOS2	CHEMBL4481	<div><div></div></div>	12 / 15	Enzyme
Nitric oxide synthase, endothelial (by homology)	P29474	NOS3	CHEMBL4803	<div><div></div></div>	12 / 15	Enzyme
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	280 / 3	Metallo Protease
Stromelysin-1	P08254	MMP3	CHEMBL283	<div><div></div></div>	280 / 3	Metallo Protease
Stromelysin-2 (by homology)	P09238	MMP10	CHEMBL4270	<div><div></div></div>	280 / 3	Metallo Protease
Neutrophil collagenase (by homology)	P22894	MMP8	CHEMBL4588	<div><div></div></div>	212 / 3	Metallo Protease
Macrophage metalloelastase (by homology)	P39900	MMP12	CHEMBL4393	<div><div></div></div>	264 / 3	Metallo Protease

SwissTargetPrediction report:

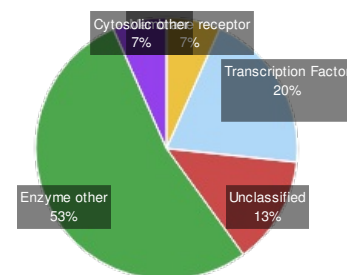
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



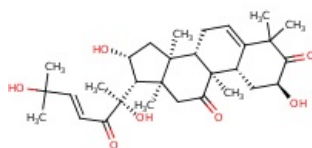
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Integrin alpha-L	P20701	ITGAL	CHEMBL1803	<div><div></div></div>	3 / 4	Membrane receptor
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	3 / 1	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	3 / 1	Unclassified
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	3 / 1	Transcription Factor
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	2 / 1	Transcription Factor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	70 / 32	Unclassified
DNA polymerase alpha catalytic subunit	P09884	POLA1	CHEMBL1828	<div><div></div></div>	2 / 10	Enzyme
Quinone oxidoreductase (by homology)	Q08257	CRYZ	CHEMBL6118	<div><div></div></div>	10 / 24	Enzyme
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	64 / 21	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (by homology)	Q7Z5J1	HSD11B1L		<div><div></div></div>	64 / 21	Enzyme
Nitric oxide synthase, inducible (by homology)	P35228	NOS2	CHEMBL4481	<div><div></div></div>	2 / 15	Enzyme
Nitric oxide synthase, endothelial (by homology)	P29474	NOS3	CHEMBL4803	<div><div></div></div>	2 / 15	Enzyme
Nitric oxide synthase, brain (by homology)	P29475	NOS1	CHEMBL3568	<div><div></div></div>	2 / 15	Enzyme
3-hydroxy-3-methylglutaryl-coenzyme A reductase (by homology)	P04035	HMGCR	CHEMBL402	<div><div></div></div>	32 / 79	Enzyme
Apoptosis regulator Bcl-2	P10415	BCL2	CHEMBL4860	<div><div></div></div>	7 / 2	Cytosolic other

SwissTargetPrediction report:

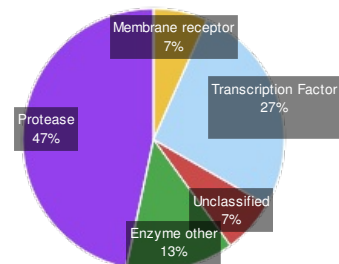
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



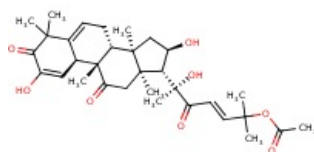
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Integrin alpha-L	P20701	ITGAL	CHEMBL1803	<div><div></div></div>	3 / 4	Membrane receptor
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	3 / 1	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	3 / 1	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	3 / 1	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	3 / 1	Transcription Factor
Prostaglandin G/H synthase 1 (by homology)	P23219	PTGS1	CHEMBL221	<div><div></div></div>	18 / 6	Enzyme
Prostaglandin G/H synthase 2	P35354	PTGS2	CHEMBL230	<div><div></div></div>	18 / 6	Enzyme
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	102 / 3	Metallo Protease
Stromelysin-1	P08254	MMP3	CHEMBL283	<div><div></div></div>	102 / 3	Metallo Protease
Neutrophil collagenase	P22894	MMP8	CHEMBL4588	<div><div></div></div>	88 / 3	Metallo Protease
Macrophage metalloelastase (by homology)	P39900	MMP12	CHEMBL4393	<div><div></div></div>	91 / 3	Metallo Protease
Collagenase 3 (by homology)	P45452	MMP13	CHEMBL280	<div><div></div></div>	91 / 3	Metallo Protease
Stromelysin-2 (by homology)	P09238	MMP10	CHEMBL4270	<div><div></div></div>	102 / 3	Metallo Protease
Matrix metalloproteinase-27 (by homology)	Q9H306	MMP27		<div><div></div></div>	102 / 3	Metallo Protease
Glucocorticoid receptor	P04150	NR3C1	CHEMBL2034	<div><div></div></div>	52 / 39	Transcription Factor

SwissTargetPrediction report:

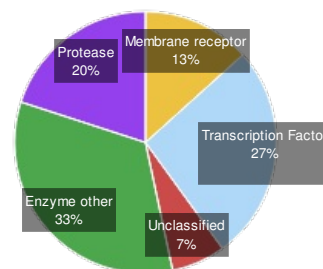
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



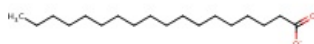
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Integrin alpha-L	P20701	ITGAL	CHEMBL1803	<div><div></div></div>	2 / 4	Membrane receptor
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	2 / 1	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	2 / 1	Unclassified
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	2 / 1	Transcription Factor
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	1 / 1	Transcription Factor
Quinone oxidoreductase (by homology)	Q08257	CRYZ	CHEMBL6118	<div><div></div></div>	4 / 24	Enzyme
DNA polymerase alpha catalytic subunit	P09884	POLA1	CHEMBL1828	<div><div></div></div>	1 / 7	Enzyme
Adenosine receptor A1	P30542	ADORA1	CHEMBL226	<div><div></div></div>	41 / 1	Membrane receptor
Nuclear receptor subfamily 1 group I member 2	O75469	NR1I2	CHEMBL3401	<div><div></div></div>	5 / 1	Transcription Factor
Prostaglandin G/H synthase 1	P23219	PTGS1	CHEMBL221	<div><div></div></div>	3 / 8	Enzyme
Prostaglandin G/H synthase 2	P35354	PTGS2	CHEMBL230	<div><div></div></div>	3 / 8	Enzyme
Cytochrome P450 19A1	P11511	CYP19A1	CHEMBL1978	<div><div></div></div>	1 / 71	Enzyme
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	94 / 2	Metallo Protease
Stromelysin-1	P08254	MMP3	CHEMBL283	<div><div></div></div>	94 / 2	Metallo Protease
Neutrophil collagenase (by homology)	P22894	MMP8	CHEMBL4588	<div><div></div></div>	86 / 2	Metallo Protease

SwissTargetPrediction report:

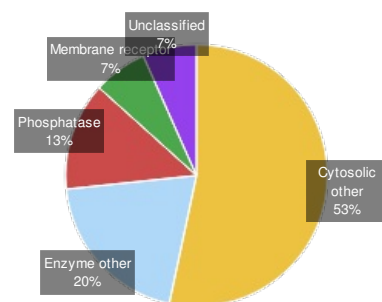
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



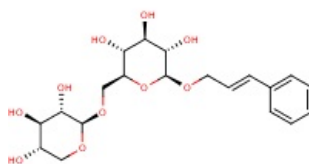
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Fatty acid-binding protein, heart	P05413	FABP3	CHEMBL3344	<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein, adipocyte	P15090	FABP4	CHEMBL2083	<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein, epidermal	Q01469	FABP5	CHEMBL3674	<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein 12 (by homology)	A6NFH5	FABP12		<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein, brain (by homology)	O15540	FABP7		<div><div></div></div>	9 / 3	Cytosolic other
Myelin P2 protein (by homology)	P02689	PMP2		<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein 9 (by homology)	Q0Z7S8	FABP9		<div><div></div></div>	9 / 3	Cytosolic other
Fatty acid-binding protein, intestinal	P12104	FABP2	CHEMBL4879	<div><div></div></div>	1 / 1	Cytosolic other
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	6 / 13	Enzyme
M-phase inducer phosphatase 1	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	12 / 16	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2 (by homology)	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	12 / 16	Ser_Thr_Tyr Phosphatase
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	16 / 10	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (by homology)	Q7Z5J1	HSD11B1L		<div><div></div></div>	16 / 10	Enzyme
Prostaglandin E2 receptor EP2 subtype	P43116	PTGER2	CHEMBL1881	<div><div></div></div>	93 / 5	Membrane receptor
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	3 / 8	Unclassified

SwissTargetPrediction report:

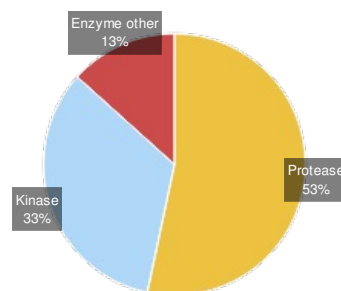
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



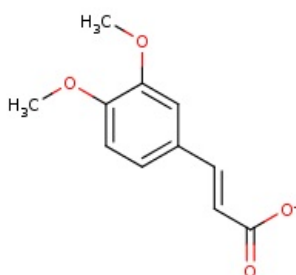
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
22 kDa interstitial collagenase	P03956	MMP1	CHEMBL332	<div><div></div></div>	1 / 2	Metallo Protease
Macrophage metalloelastase	P39900	MMP12	CHEMBL4393	<div><div></div></div>	1 / 2	Metallo Protease
Collagenase 3	P45452	MMP13	CHEMBL280	<div><div></div></div>	1 / 2	Metallo Protease
Stromelysin-1 (by homology)	P08254	MMP3	CHEMBL283	<div><div></div></div>	1 / 2	Metallo Protease
Stromelysin-2 (by homology)	P09238	MMP10	CHEMBL4270	<div><div></div></div>	1 / 2	Metallo Protease
Matrix metalloproteinase-27 (by homology)	Q9H306	MMP27		<div><div></div></div>	1 / 2	Metallo Protease
PEX	P08253	MMP2	CHEMBL333	<div><div></div></div>	1 / 2	Metallo Protease
67 kDa matrix metalloproteinase-9 (by homology)	P14780	MMP9	CHEMBL321	<div><div></div></div>	1 / 2	Metallo Protease
Protein kinase C gamma type (by homology)	P05129	PRKCG	CHEMBL2938	<div><div></div></div>	2 / 22	Ser_Thr Kinase
Protein kinase C beta type (by homology)	P05771	PRKCB	CHEMBL3045	<div><div></div></div>	2 / 22	Ser_Thr Kinase
Protein kinase C alpha type	P17252	PRKCA	CHEMBL299	<div><div></div></div>	2 / 22	Ser_Thr Kinase
Protein kinase C theta type (by homology)	Q04759	PRKCQ	CHEMBL3920	<div><div></div></div>	2 / 23	Ser_Thr Kinase
Protein kinase C delta type regulatory subunit (by homology)	Q05655	PRKCD	CHEMBL2996	<div><div></div></div>	2 / 23	Ser_Thr Kinase
Squalene synthase	P37268	FDFT1	CHEMBL3338	<div><div></div></div>	117 / 162	Enzyme
Matrix metalloproteinase-20 (by homology)	O60882	MMP20	CHEMBL1938226	<div><div></div></div>	1 / 1	Enzyme

SwissTargetPrediction report:

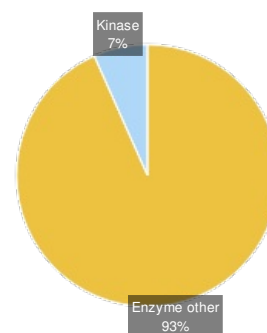
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



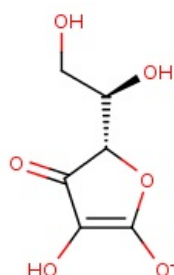
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 3 (<i>by homology</i>)	P07451	CA3	CHEMBL2885	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 5A, mitochondrial	P35218	CA5A	CHEMBL4789	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 7	P43166	CA7	CHEMBL2326	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 13 (<i>by homology</i>)	Q8N1Q1	CA13	CHEMBL3912	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 5B, mitochondrial (<i>by homology</i>)	Q9Y2D0	CA5B	CHEMBL3969	<div><div></div></div>	31 / 13	Enzyme
Carbonic anhydrase 12	O43570	CA12	CHEMBL3242	<div><div></div></div>	10 / 10	Enzyme
Carbonic anhydrase 9	Q16790	CA9	CHEMBL3594	<div><div></div></div>	10 / 10	Enzyme
Carbonic anhydrase 14	Q9ULX7	CA14	CHEMBL3510	<div><div></div></div>	10 / 10	Enzyme
Dual specificity tyrosine-phosphorylation-regulated kinase 1A (<i>by homology</i>)	Q13627	DYRK1A	CHEMBL2292	<div><div></div></div>	14 / 14	Ser_Thr_Tyr Kinase
Amine oxidase [flavin-containing] A	P21397	MAOA	CHEMBL1951	<div><div></div></div>	3 / 10	Enzyme
Amine oxidase [flavin-containing] B	P27338	MAOB	CHEMBL2039	<div><div></div></div>	3 / 11	Enzyme
Prostaglandin G/H synthase 1	P23219	PTGS1	CHEMBL221	<div><div></div></div>	54 / 20	Enzyme
Prostaglandin G/H synthase 2	P35354	PTGS2	CHEMBL230	<div><div></div></div>	54 / 20	Enzyme

SwissTargetPrediction report:

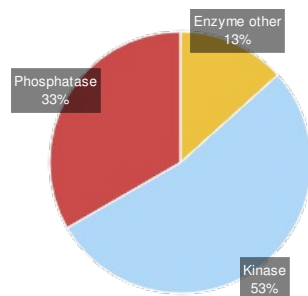
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



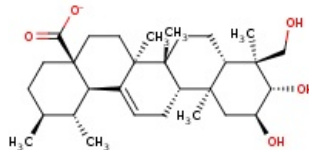
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 2	Enzyme
Tubulin--tyrosine ligase	Q8NG68	TTL	CHEMBL5549	<div><div></div></div>	0 / 12	Enzyme
Protein kinase C alpha type	P17252	PRKCA	CHEMBL299	<div><div></div></div>	0 / 141	Ser_Thr Kinase
Protein kinase C delta type regulatory subunit (<i>by homology</i>)	Q05655	PRKCD	CHEMBL2996	<div><div></div></div>	0 / 143	Ser_Thr Kinase
Protein kinase C theta type (<i>by homology</i>)	Q04759	PRKCQ	CHEMBL3920	<div><div></div></div>	0 / 143	Ser_Thr Kinase
Protein kinase C gamma type (<i>by homology</i>)	P05129	PRKCG	CHEMBL2938	<div><div></div></div>	0 / 141	Ser_Thr Kinase
Protein kinase C beta type (<i>by homology</i>)	P05771	PRKCB	CHEMBL3045	<div><div></div></div>	0 / 141	Ser_Thr Kinase
Dual specificity protein phosphatase 3	P51452	DUSP3	CHEMBL2635	<div><div></div></div>	0 / 1	Ser_Thr_Tyr Phosphatase
Inactive dual specificity phosphatase 27 (<i>by homology</i>)	Q5VZP5	DUSP27		<div><div></div></div>	0 / 1	Ser_Thr_Tyr Phosphatase
Dual specificity phosphatase DUPD1 (<i>by homology</i>)	Q68J44	DUPD1		<div><div></div></div>	0 / 1	Ser_Thr_Tyr Phosphatase
Dual specificity protein phosphatase 13 isoform MDSP (<i>by homology</i>)	Q6B811	DUSP13		<div><div></div></div>	0 / 1	Ser_Thr_Tyr Phosphatase
Dual specificity protein phosphatase 26 (<i>by homology</i>)	Q9BV47	DUSP26		<div><div></div></div>	0 / 1	Ser_Thr_Tyr Phosphatase
Ribosomal protein S6 kinase alpha-5	O75582	RPS6KA5	CHEMBL4237	<div><div></div></div>	0 / 3	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-4 (<i>by homology</i>)	O75676	RPS6KA4	CHEMBL3125	<div><div></div></div>	0 / 3	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-3 (<i>by homology</i>)	P51812	RPS6KA3	CHEMBL2345	<div><div></div></div>	0 / 3	Ser_Thr Kinase

SwissTargetPrediction report:

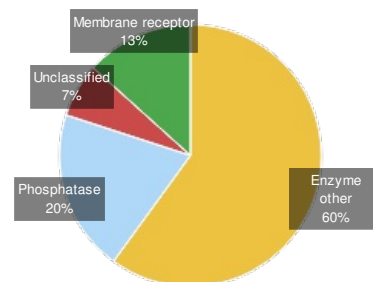
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



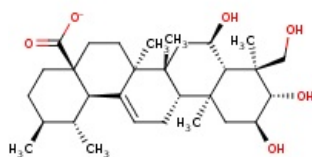
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	6 / 7	Enzyme
Aldose reductase (by homology)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	6 / 7	Enzyme
Aldo-keto reductase family 1 member B15 (by homology)	C9JRZ8	AKR1B15		<div><div></div></div>	6 / 7	Enzyme
Alcohol dehydrogenase [NADP(+)] (by homology)	P14550	AKR1A1	CHEMBL2246	<div><div></div></div>	6 / 7	Enzyme
1,5-anhydro-D-fructose reductase (by homology)	Q96JD6	AKR1E2		<div><div></div></div>	6 / 7	Enzyme
Tyrosine-protein phosphatase non-receptor type 2 (by homology)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	16 / 50	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	16 / 50	Tyr Phosphatase
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	6 / 23	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (by homology)	Q7Z5J1	HSD11B1L		<div><div></div></div>	6 / 23	Enzyme
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	5 / 15	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	10 / 19	Unclassified
DNA polymerase beta	P06746	POLB	CHEMBL2392	<div><div></div></div>	6 / 17	Enzyme
Receptor-type tyrosine-protein phosphatase F	P10586	PTPRF	CHEMBL3521	<div><div></div></div>	1 / 1	Membrane receptor
Low molecular weight phosphotyrosine protein phosphatase	P24666	ACP1	CHEMBL4903	<div><div></div></div>	1 / 1	Tyr Phosphatase
Receptor-type tyrosine-protein phosphatase delta (by homology)	P23468	PTPRD		<div><div></div></div>	1 / 1	Membrane receptor

SwissTargetPrediction report:

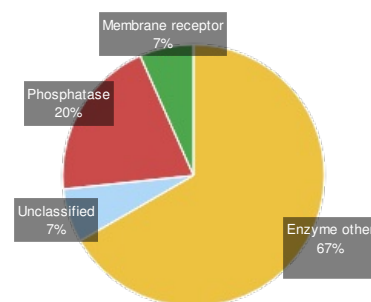
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



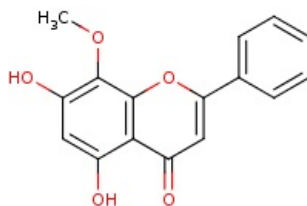
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	7 / 6	Enzyme
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	7 / 6	Enzyme
Aldo-keto reductase family 1 member B15 (<i>by homology</i>)	C9JRZ8	AKR1B15		<div><div></div></div>	7 / 6	Enzyme
Alcohol dehydrogenase [NADP(+)] (<i>by homology</i>)	P14550	AKR1A1	CHEMBL2246	<div><div></div></div>	6 / 6	Enzyme
1,5-anhydro-D-fructose reductase (<i>by homology</i>)	Q96JD6	AKR1E2		<div><div></div></div>	6 / 6	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	10 / 22	Unclassified
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	3 / 12	Enzyme
Tyrosine-protein phosphatase non-receptor type 2 (<i>by homology</i>)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	14 / 50	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	14 / 50	Tyr Phosphatase
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	6 / 23	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (<i>by homology</i>)	Q7Z5J1	HSD11B1L		<div><div></div></div>	6 / 23	Enzyme
Phospholipase A2	P04054	PLA2G1B	CHEMBL4426	<div><div></div></div>	1 / 1	Enzyme
DNA polymerase beta	P06746	POLB	CHEMBL2392	<div><div></div></div>	6 / 16	Enzyme
Receptor-type tyrosine-protein phosphatase F	P10586	PTPRF	CHEMBL3521	<div><div></div></div>	2 / 1	Membrane receptor
Low molecular weight phosphotyrosine protein phosphatase	P24666	ACP1	CHEMBL4903	<div><div></div></div>	1 / 1	Tyr Phosphatase

SwissTargetPrediction report:

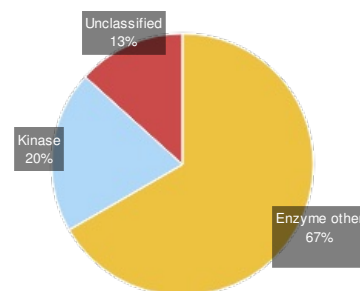
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



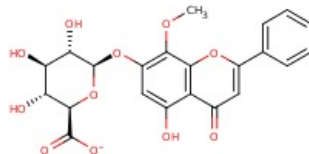
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Prostaglandin G/H synthase 1 (<i>by homology</i>)	P23219	PTGS1	CHEMBL221	<div><div></div></div>	14 / 37	Enzyme
Nitric oxide synthase, inducible (<i>by homology</i>)	P35228	NOS2	CHEMBL4481	<div><div></div></div>	6 / 3	Enzyme
Prostaglandin G/H synthase 2 (<i>by homology</i>)	P35354	PTGS2	CHEMBL230	<div><div></div></div>	14 / 37	Enzyme
Nitric oxide synthase, endothelial (<i>by homology</i>)	P29474	NOS3	CHEMBL4803	<div><div></div></div>	6 / 3	Enzyme
Nitric oxide synthase, brain (<i>by homology</i>)	P29475	NOS1	CHEMBL3568	<div><div></div></div>	6 / 3	Enzyme
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	20 / 68	Enzyme
Aldo-keto reductase family 1 member B15 (<i>by homology</i>)	C9JRZ8	AKR1B15		<div><div></div></div>	20 / 68	Enzyme
Aldo-keto reductase family 1 member B10 (<i>by homology</i>)	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	20 / 68	Enzyme
Inhibitor of nuclear factor kappa-B kinase subunit beta	O14920	IKBKB	CHEMBL1991	<div><div></div></div>	14 / 1	Ser_Thr Kinase
Inhibitor of nuclear factor kappa-B kinase subunit alpha (<i>by homology</i>)	O15111	CHUK	CHEMBL3476	<div><div></div></div>	14 / 1	Ser_Thr Kinase
Dual specificity tyrosine-phosphorylation-regulated kinase 1A (<i>by homology</i>)	Q13627	DYRK1A	CHEMBL2292	<div><div></div></div>	40 / 21	Ser_Thr_Tyr Kinase
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	254 / 83	Unclassified
ATP-binding cassette sub-family G member 2	Q9UNQ0	ABCG2	CHEMBL5393	<div><div></div></div>	8 / 20	Unclassified
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	70 / 24	Enzyme
Arachidonate 5-lipoxygenase	P09917	ALOX5	CHEMBL215	<div><div></div></div>	27 / 53	Enzyme

SwissTargetPrediction report:

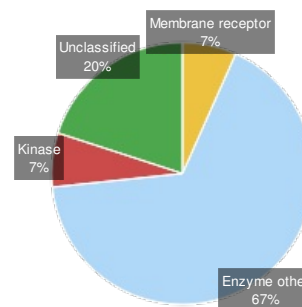
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



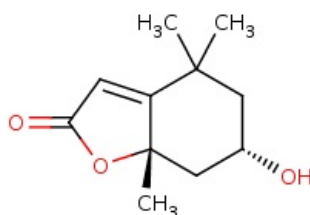
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Adenosine receptor A1 (<i>by homology</i>)	P30542	ADORA1	CHEMBL226	<div><div></div></div>	20 / 10	Membrane receptor
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	1 / 56	Enzyme
Aldo-keto reductase family 1 member B15 (<i>by homology</i>)	C9JRZ8	AKR1B15		<div><div></div></div>	1 / 56	Enzyme
Aldo-keto reductase family 1 member B10 (<i>by homology</i>)	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	1 / 56	Enzyme
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	3 / 11	Enzyme
Dual specificity tyrosine-phosphorylation-regulated kinase 1A (<i>by homology</i>)	Q13627	DYRK1A	CHEMBL2292	<div><div></div></div>	1 / 12	Ser_Thr_Tyr Kinase
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	1 / 4	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	1 / 4	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	1 / 4	Unclassified
Xanthine dehydrogenase/oxidase	P47989	XDH	CHEMBL1929	<div><div></div></div>	0 / 9	Enzyme
Aldehyde oxidase (<i>by homology</i>)	Q06278	AOX1	CHEMBL3257	<div><div></div></div>	0 / 9	Enzyme
Lysine-specific demethylase 4A	O75164	KDM4A	CHEMBL5896	<div><div></div></div>	0 / 3	Enzyme
Lysine-specific demethylase 4B (<i>by homology</i>)	O94953	KDM4B		<div><div></div></div>	0 / 3	Enzyme
Lysine-specific demethylase 4C (<i>by homology</i>)	Q9H3R0	KDM4C	CHEMBL6175	<div><div></div></div>	0 / 3	Enzyme
Prostaglandin G/H synthase 2	P35354	PTGS2	CHEMBL230	<div><div></div></div>	0 / 5	Enzyme

SwissTargetPrediction report:

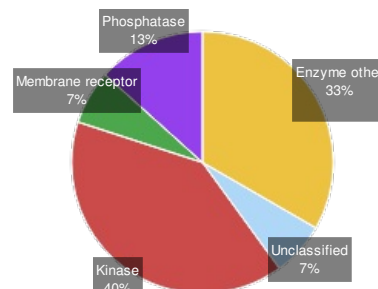
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



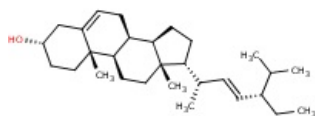
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	24 / 5	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	44 / 21	Unclassified
Quinone oxidoreductase (<i>by homology</i>)	Q08257	CRYZ	CHEMBL6118	<div><div></div></div>	1 / 21	Enzyme
Ribosomal protein S6 kinase alpha-5	O75582	RPS6KA5	CHEMBL4237	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-4 (<i>by homology</i>)	O75676	RPS6KA4	CHEMBL3125	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-3 (<i>by homology</i>)	P51812	RPS6KA3	CHEMBL2345	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-2 (<i>by homology</i>)	Q15349	RPS6KA2	CHEMBL3906	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-1 (<i>by homology</i>)	Q15418	RPS6KA1	CHEMBL2553	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Ribosomal protein S6 kinase alpha-6 (<i>by homology</i>)	Q9UK32	RPS6KA6	CHEMBL4924	<div><div></div></div>	1 / 4	Ser_Thr Kinase
Prostaglandin G/H synthase 1 (<i>by homology</i>)	P23219	PTGS1	CHEMBL221	<div><div></div></div>	3 / 11	Enzyme
Prostaglandin G/H synthase 2	P35354	PTGS2	CHEMBL230	<div><div></div></div>	3 / 11	Enzyme
Platelet-activating factor receptor	P25105	PTAFR	CHEMBL250	<div><div></div></div>	14 / 19	Membrane receptor
M-phase inducer phosphatase 1	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	1 / 17	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	1 / 17	Ser_Thr_Tyr Phosphatase
Cytochrome P450 19A1	P11511	CYP19A1	CHEMBL1978	<div><div></div></div>	23 / 22	Enzyme

SwissTargetPrediction report:

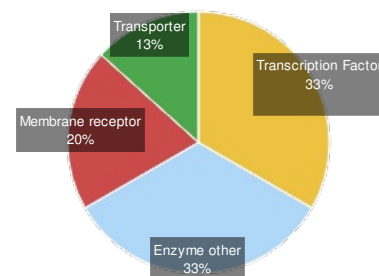
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



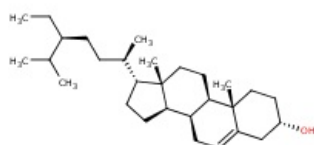
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Androgen receptor	P10275	AR	CHEMBL1871	<div><div></div></div>	13 / 90	Transcription Factor
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	5 / 14	Enzyme
Cytochrome P450 19A1	P11511	CYP19A1	CHEMBL1978	<div><div></div></div>	4 / 135	Enzyme
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR	CHEMBL402	<div><div></div></div>	24 / 33	Enzyme
Lanosterol 14-alpha demethylase (by homology)	Q16850	CYP51A1	CHEMBL3849	<div><div></div></div>	2 / 2	Enzyme
Oxysterols receptor LXR-beta (by homology)	P55055	NR1H2	CHEMBL4093	<div><div></div></div>	8 / 23	Transcription Factor
Oxysterols receptor LXR-alpha	Q13133	NR1H3	CHEMBL2808	<div><div></div></div>	8 / 23	Transcription Factor
Low-density lipoprotein receptor	P01130	LDLR	CHEMBL3311	<div><div></div></div>	10 / 10	Membrane receptor
Very low-density lipoprotein receptor (by homology)	P98155	VLDLR		<div><div></div></div>	10 / 10	Membrane receptor
Low-density lipoprotein receptor-related protein 8 (by homology)	Q14114	LRP8		<div><div></div></div>	10 / 10	Membrane receptor
Steroid 17-alpha-hydroxylase/17,20 lyase	P05093	CYP17A1	CHEMBL3522	<div><div></div></div>	21 / 56	Enzyme
Estrogen receptor	P03372	ESR1	CHEMBL206	<div><div></div></div>	1 / 52	Transcription Factor
Estrogen receptor beta	Q92731	ESR2	CHEMBL242	<div><div></div></div>	1 / 52	Transcription Factor
Sodium-dependent noradrenaline transporter	P23975	SLC6A2	CHEMBL222	<div><div></div></div>	37 / 6	Transporter
Sodium-dependent dopamine transporter (by homology)	Q01959	SLC6A3	CHEMBL238	<div><div></div></div>	37 / 6	Transporter

SwissTargetPrediction report:

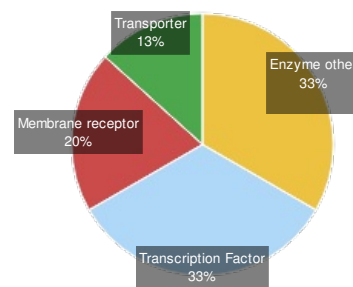
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



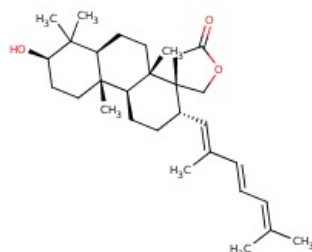
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	4 / 14	Enzyme
Androgen receptor	P10275	AR	CHEMBL1871	<div><div></div></div>	10 / 90	Transcription Factor
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR	CHEMBL402	<div><div></div></div>	16 / 33	Enzyme
Lanosterol 14-alpha demethylase (by homology)	Q16850	CYP51A1	CHEMBL3849	<div><div></div></div>	2 / 2	Enzyme
Oxysterols receptor LXR-beta (by homology)	P55055	NR1H2	CHEMBL4093	<div><div></div></div>	13 / 23	Transcription Factor
Oxysterols receptor LXR-alpha	Q13133	NR1H3	CHEMBL2808	<div><div></div></div>	13 / 23	Transcription Factor
Cytochrome P450 19A1	P11511	CYP19A1	CHEMBL1978	<div><div></div></div>	5 / 135	Enzyme
Steroid 17-alpha-hydroxylase/17,20 lyase	P05093	CYP17A1	CHEMBL3522	<div><div></div></div>	17 / 56	Enzyme
Low-density lipoprotein receptor	P01130	LDLR	CHEMBL3311	<div><div></div></div>	10 / 10	Membrane receptor
Very low-density lipoprotein receptor (by homology)	P98155	VLDLR		<div><div></div></div>	10 / 10	Membrane receptor
Low-density lipoprotein receptor-related protein 8 (by homology)	Q14114	LRP8		<div><div></div></div>	10 / 10	Membrane receptor
Estrogen receptor	P03372	ESR1	CHEMBL206	<div><div></div></div>	3 / 52	Transcription Factor
Estrogen receptor beta	Q92731	ESR2	CHEMBL242	<div><div></div></div>	3 / 52	Transcription Factor
Sodium-dependent noradrenaline transporter	P23975	SLC6A2	CHEMBL222	<div><div></div></div>	38 / 6	Transporter
Sodium-dependent serotonin transporter	P31645	SLC6A4	CHEMBL228	<div><div></div></div>	40 / 6	Transporter

SwissTargetPrediction report:

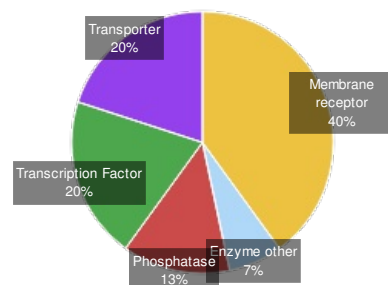
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



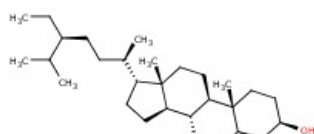
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
D(2) dopamine receptor	P14416	DRD2	CHEMBL217	<div><div></div></div>	11 / 1	Membrane receptor
D(3) dopamine receptor	P35462	DRD3	CHEMBL234	<div><div></div></div>	8 / 1	Membrane receptor
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR	CHEMBL402	<div><div></div></div>	7 / 98	Enzyme
5-hydroxytryptamine receptor 1A	P08908	HTR1A	CHEMBL214	<div><div></div></div>	7 / 1	Membrane receptor
5-hydroxytryptamine receptor 1B (by homology)	P28222	HTR1B	CHEMBL1898	<div><div></div></div>	7 / 1	Membrane receptor
Tyrosine-protein phosphatase non-receptor type 2 (by homology)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	5 / 48	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	5 / 48	Tyr Phosphatase
Glucocorticoid receptor	P04150	NR3C1	CHEMBL2034	<div><div></div></div>	7 / 18	Transcription Factor
Mineralocorticoid receptor (by homology)	P08235	NR3C2	CHEMBL1994	<div><div></div></div>	7 / 20	Transcription Factor
Androgen receptor (by homology)	P10275	AR	CHEMBL1871	<div><div></div></div>	17 / 29	Transcription Factor
Sodium-dependent noradrenaline transporter	P23975	SLC6A2	CHEMBL222	<div><div></div></div>	8 / 2	Transporter
Substance-P receptor (by homology)	P25103	TACR1	CHEMBL249	<div><div></div></div>	29 / 1	Membrane receptor
Sodium-dependent serotonin transporter	P31645	SLC6A4	CHEMBL228	<div><div></div></div>	11 / 2	Transporter
Sodium-dependent dopamine transporter	Q01959	SLC6A3	CHEMBL238	<div><div></div></div>	8 / 2	Transporter
Neuromedin-K receptor (by homology)	P29371	TACR3	CHEMBL4429	<div><div></div></div>	29 / 1	Membrane receptor

SwissTargetPrediction report:

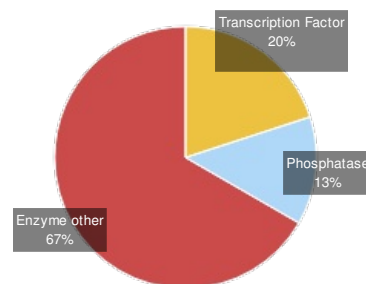
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



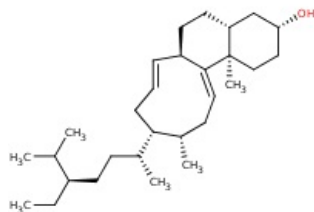
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Androgen receptor	P10275	AR	CHEMBL1871	<div><div></div></div>	11 / 14	Transcription Factor
M-phase inducer phosphatase 1	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	5 / 8	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	5 / 8	Ser_Thr_Tyr Phosphatase
UDP-glucuronosyltransferase 1-4	P22310	UGT1A4	CHEMBL3619	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-9 (by homology)	O60656	UGT1A9	CHEMBL1743319	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-6 (by homology)	P19224	UGT1A6	CHEMBL1743316	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-1 (by homology)	P22309	UGT1A1	CHEMBL1287617	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-3 (by homology)	P35503	UGT1A3		<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-5 (by homology)	P35504	UGT1A5		<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-7 (by homology)	Q9HAW7	UGT1A7	CHEMBL1743317	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-10 (by homology)	Q9HAW8	UGT1A10	CHEMBL1743320	<div><div></div></div>	1 / 1	Enzyme
UDP-glucuronosyltransferase 1-8 (by homology)	Q9HAW9	UGT1A8	CHEMBL1743318	<div><div></div></div>	1 / 1	Enzyme
Estrogen receptor	P03372	ESR1	CHEMBL206	<div><div></div></div>	3 / 2	Transcription Factor
Estrogen receptor beta	Q92731	ESR2	CHEMBL242	<div><div></div></div>	3 / 2	Transcription Factor
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	23 / 2	Enzyme

SwissTargetPrediction report:

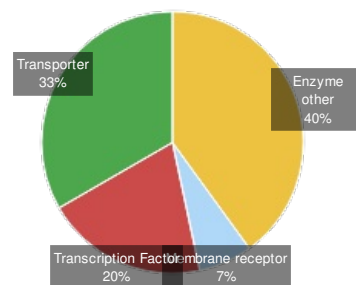
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



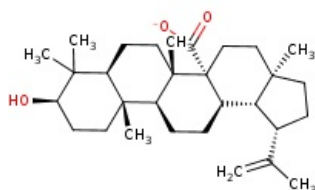
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	4 / 12	Enzyme
Cannabinoid receptor 1 (by homology)	P21554	CNR1	CHEMBL218	<div><div></div></div>	78 / 26	Membrane receptor
Androgen receptor	P10275	AR	CHEMBL1871	<div><div></div></div>	5 / 77	Transcription Factor
Sodium-dependent noradrenaline transporter	P23975	SLC6A2	CHEMBL222	<div><div></div></div>	17 / 6	Transporter
Sodium-dependent serotonin transporter	P31645	SLC6A4	CHEMBL228	<div><div></div></div>	20 / 6	Transporter
Sodium-dependent dopamine transporter (by homology)	Q01959	SLC6A3	CHEMBL238	<div><div></div></div>	17 / 6	Transporter
Steroid 17-alpha-hydroxylase/17,20 lyase	P05093	CYP17A1	CHEMBL3522	<div><div></div></div>	2 / 32	Enzyme
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR	CHEMBL402	<div><div></div></div>	16 / 3	Enzyme
Oxysterols receptor LXR-beta	P55055	NR1H2	CHEMBL4093	<div><div></div></div>	17 / 23	Transcription Factor
Oxysterols receptor LXR-alpha	Q13133	NR1H3	CHEMBL2808	<div><div></div></div>	17 / 23	Transcription Factor
Cholinesterase (by homology)	P06276	BCHE	CHEMBL1914	<div><div></div></div>	12 / 1	Enzyme
Acetylcholinesterase	P22303	ACHE	CHEMBL220	<div><div></div></div>	12 / 1	Enzyme
Lanosterol 14-alpha demethylase (by homology)	Q16850	CYP51A1	CHEMBL3849	<div><div></div></div>	2 / 2	Enzyme
Sodium- and chloride-dependent glycine transporter 1 (by homology)	P48067	SLC6A9	CHEMBL2337	<div><div></div></div>	5 / 6	Transporter
Sodium- and chloride-dependent glycine transporter 2 (by homology)	Q9Y345	SLC6A5	CHEMBL3060	<div><div></div></div>	5 / 6	Transporter

SwissTargetPrediction report:

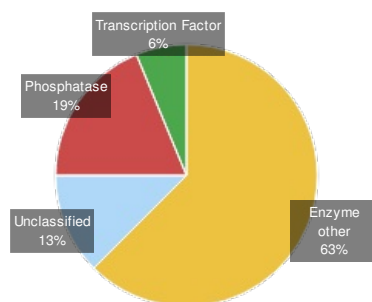
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
DNA polymerase beta (<i>by homology</i>)	P06746	POLB	CHEMBL2392	<div><div></div></div>	5 / 12	Enzyme
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	3 / 8	Enzyme
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	3 / 8	Enzyme
Complex	Q9UBE0/Q9UBT2	SAE1/UBA2	CHEMBL2095174	<div><div></div></div>	1 / 1	Unclassified /Enzyme
Aldo-keto reductase family 1 member B15 (<i>by homology</i>)	C9JRZ8	AKR1B15		<div><div></div></div>	3 / 8	Enzyme
Alcohol dehydrogenase [NADP(+)] (<i>by homology</i>)	P14550	AKR1A1	CHEMBL2246	<div><div></div></div>	3 / 8	Enzyme
1,5-anhydro-D-fructose reductase (<i>by homology</i>)	Q96JD6	AKR1E2		<div><div></div></div>	3 / 8	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	2 / 17	Unclassified
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	5 / 14	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (<i>by homology</i>)	Q7Z5J1	HSD11B1L		<div><div></div></div>	5 / 14	Enzyme
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	1 / 17	Enzyme
Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	10 / 32	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	10 / 32	Tyr Phosphatase
Bile acid receptor	Q96RI1	NR1H4	CHEMBL2047	<div><div></div></div>	0 / 13	Transcription Factor
M-phase inducer phosphatase 1	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	5 / 19	Ser_Thr_Tyr Phosphatase

SwissTargetPrediction report:

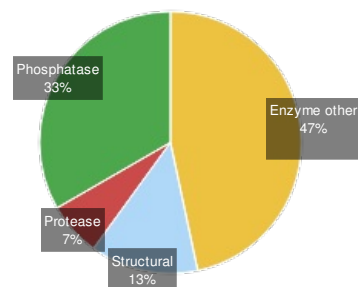
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Cocaine esterase	O00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acyl ethanolamine-hydrolyzing acid amidase subunit alpha (by homology)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (by homology)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (by homology)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (by homology)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (by homology)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
Activation peptide fragment 1	P00734	F2	CHEMBL204	<div><div></div></div>	1 / 0	Serine Protease
Dual specificity protein phosphatase 3	P51452	DUSP3	CHEMBL2635	<div><div></div></div>	2 / 0	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 1 (by homology)	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	5 / 0	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2 (by homology)	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	5 / 0	Ser_Thr_Tyr Phosphatase
Inactive dual specificity phosphatase 27 (by homology)	Q5VZP5	DUSP27		<div><div></div></div>	2 / 0	Ser_Thr_Tyr Phosphatase
Dual specificity phosphatase DUPD1 (by homology)	Q68J44	DUPD1		<div><div></div></div>	2 / 0	Ser_Thr_Tyr Phosphatase

SwissTargetPrediction report:

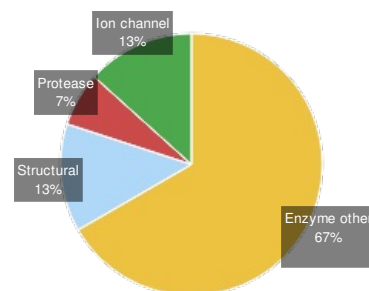
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Cocaine esterase	Q00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acyl ethanolamine-hydrolyzing acid amidase subunit alpha (<i>by homology</i>)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (<i>by homology</i>)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (<i>by homology</i>)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (<i>by homology</i>)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (<i>by homology</i>)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	0 / 3	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	0 / 3	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div><div></div></div>	0 / 1	Serine Protease
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	0 / 3	Enzyme
Glutamate receptor ionotropic, NMDA 1	Q05586	GRIN1	CHEMBL2015	<div><div></div></div>	0 / 1	Ion channel
Complex	Q05586/Q12879	GRIN1/GRIN2A	CHEMBL1907604	<div><div></div></div>	0 / 1	Ion channel

SwissTargetPrediction report:

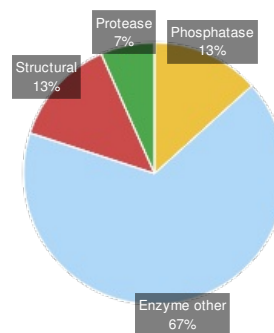
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
M-phase inducer phosphatase 1 (by homology)	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	1 / 0	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2 (by homology)	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	1 / 0	Ser_Thr_Tyr Phosphatase
Cocaine esterase	O00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acylethanolamine-hydrolyzing acid amidase subunit alpha (by homology)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (by homology)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (by homology)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (by homology)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (by homology)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	0 / 3	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	0 / 3	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div><div></div></div>	0 / 1	Serine Protease
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	0 / 3	Enzyme

SwissTargetPrediction report:

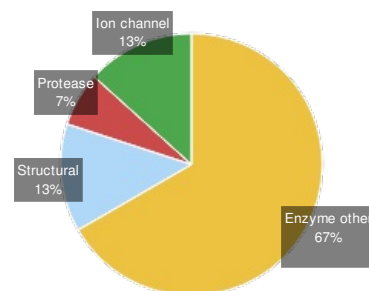
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Cocaine esterase	Q00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acyl ethanolamine-hydrolyzing acid amidase subunit alpha (<i>by homology</i>)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (<i>by homology</i>)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (<i>by homology</i>)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (<i>by homology</i>)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (<i>by homology</i>)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	0 / 3	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	0 / 3	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div><div></div></div>	0 / 1	Serine Protease
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	0 / 3	Enzyme
Glutamate receptor ionotropic, NMDA 1	Q05586	GRIN1	CHEMBL2015	<div><div></div></div>	0 / 1	Ion channel
Complex	Q05586/Q12879	GRIN1/GRIN2A	CHEMBL1907604	<div><div></div></div>	0 / 1	Ion channel

SwissTargetPrediction report:

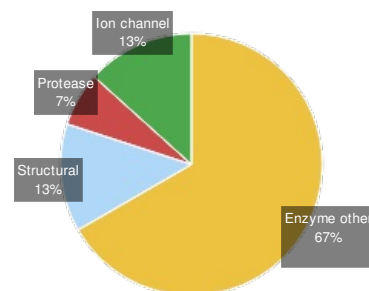
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Cocaine esterase	Q00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acylethanolamine-hydrolyzing acid amidase subunit alpha (<i>by homology</i>)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (<i>by homology</i>)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (<i>by homology</i>)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (<i>by homology</i>)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (<i>by homology</i>)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	0 / 3	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	0 / 3	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div><div></div></div>	0 / 1	Serine Protease
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	0 / 3	Enzyme
Glutamate receptor ionotropic, NMDA 1	Q05586	GRIN1	CHEMBL2015	<div><div></div></div>	0 / 1	Ion channel
Complex	Q05586/Q12879	GRIN1/GRIN2A	CHEMBL1907604	<div><div></div></div>	0 / 1	Ion channel

SwissTargetPrediction report:

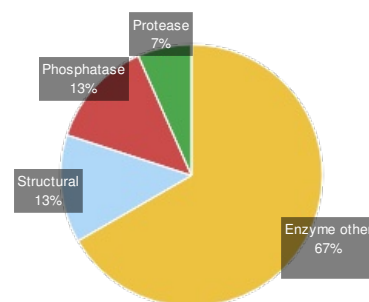
Reference:

Gfeller D., Michielin O. & Zoete V.
 Shaping the interaction landscape of
 bioactive molecules, *Bioinformatics*
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



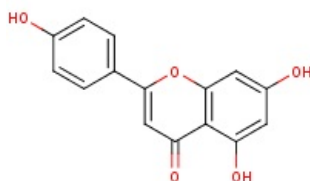
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Cocaine esterase	O00748	CES2	CHEMBL3180	<div><div></div></div>	0 / 6	Enzyme
Liver carboxylesterase 1	P23141	CES1	CHEMBL2265	<div><div></div></div>	0 / 6	Enzyme
Dynamin-1	Q05193	DNM1	CHEMBL4958	<div><div></div></div>	0 / 1	Structural
Tyrosyl-DNA phosphodiesterase 1	Q9NUW8	TDP1	CHEMBL1075138	<div><div></div></div>	0 / 1	Enzyme
N-acylethanolamine-hydrolyzing acid amidase subunit alpha (by homology)	Q02083	NAAA	CHEMBL4349	<div><div></div></div>	0 / 1	Enzyme
Carboxylesterase 5A (by homology)	Q6NT32	CES5A		<div><div></div></div>	0 / 6	Enzyme
Carboxylesterase 3 (by homology)	Q6UWW8	CES3		<div><div></div></div>	0 / 6	Enzyme
Dynamin-2 (by homology)	P50570	DNM2	CHEMBL5812	<div><div></div></div>	0 / 1	Enzyme
Dynamin-3 (by homology)	Q9UQ16	DNM3		<div><div></div></div>	0 / 1	Structural
M-phase inducer phosphatase 1 (by homology)	P30304	CDC25A	CHEMBL3775	<div><div></div></div>	1 / 0	Ser_Thr_Tyr Phosphatase
M-phase inducer phosphatase 2 (by homology)	P30305	CDC25B	CHEMBL4804	<div><div></div></div>	1 / 0	Ser_Thr_Tyr Phosphatase
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	0 / 3	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	0 / 3	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div><div></div></div>	0 / 1	Serine Protease
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	0 / 3	Enzyme

SwissTargetPrediction report:

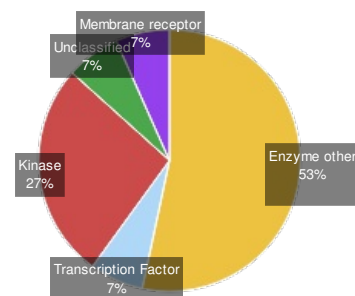
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



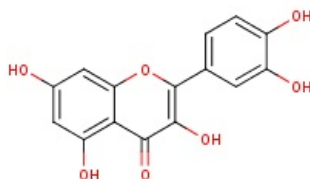
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Aldo-keto reductase family 1 member B10 (<i>by homology</i>)	P06218	AKR1B10	CHEMBL5983	<div><div></div></div>	21 / 67	Enzyme
Estrogen receptor	P03372	ESR1	CHEMBL206	<div><div></div></div>	165 / 60	Transcription Factor
Cytochrome P450 1A2 (<i>by homology</i>)	P05177	CYP1A2	CHEMBL3356	<div><div></div></div>	7 / 13	Enzyme
Cyclin-dependent kinase 1 (<i>by homology</i>)	P06493	CDK1	CHEMBL308	<div><div></div></div>	13 / 22	Ser_Thr Kinase
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	44 / 88	Unclassified
Cytochrome P450 19A1	P11511	CYP19A1	CHEMBL1978	<div><div></div></div>	10 / 19	Enzyme
Cyclin-dependent kinase 4 (<i>by homology</i>)	P11802	CDK4	CHEMBL331	<div><div></div></div>	13 / 22	Ser_Thr Kinase
Estradiol 17-beta-dehydrogenase 1	P14061	HSD17B1	CHEMBL3181	<div><div></div></div>	87 / 4	Enzyme
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	21 / 67	Enzyme
Casein kinase II subunit alpha' (<i>by homology</i>)	P19784	CSNK2A2	CHEMBL4070	<div><div></div></div>	3 / 2	Ser_Thr Kinase
Amine oxidase [flavin-containing] A	P21397	MAOA	CHEMBL1951	<div><div></div></div>	8 / 45	Enzyme
Prostaglandin G/H synthase 1 (<i>by homology</i>)	P23219	PTGS1	CHEMBL221	<div><div></div></div>	15 / 15	Enzyme
Cyclin-dependent kinase 2 (<i>by homology</i>)	P24941	CDK2	CHEMBL301	<div><div></div></div>	13 / 22	Ser_Thr Kinase
Amine oxidase [flavin-containing] B (<i>by homology</i>)	P27338	MAOB	CHEMBL2039	<div><div></div></div>	8 / 45	Enzyme
Adenosine receptor A2a (<i>by homology</i>)	P29274	ADORA2A	CHEMBL251	<div><div></div></div>	5 / 13	Membrane receptor

SwissTargetPrediction report:

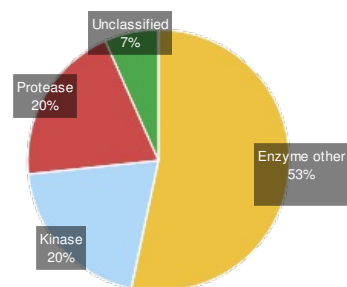
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



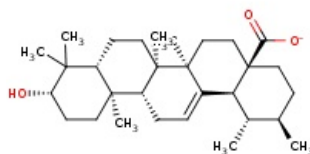
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Carbonic anhydrase 12	O43570	CA12	CHEMBL3242	<div></div>	3 / 5	Enzyme
Epidermal growth factor receptor	P00533	EGFR	CHEMBL203	<div></div>	6 / 28	Tyr Kinase
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div></div>	10 / 7	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div></div>	10 / 7	Enzyme
Phospholipase A2	P04054	PLA2G1B	CHEMBL4426	<div></div>	1 / 1	Enzyme
Receptor tyrosine-protein kinase erbB-2 (<i>by homology</i>)	P04626	ERBB2	CHEMBL1824	<div></div>	6 / 28	Tyr Kinase
Myeloperoxidase	P05164	MPO	CHEMBL2439	<div></div>	1 / 1	Enzyme
Cytochrome P450 1A2 (<i>by homology</i>)	P05177	CYP1A2	CHEMBL3356	<div></div>	8 / 13	Enzyme
Cyclin-dependent kinase 1	P06493	CDK1	CHEMBL308	<div></div>	3 / 27	Ser_Thr Kinase
Carbonic anhydrase 3	P07451	CA3	CHEMBL2885	<div></div>	10 / 7	Enzyme
Alpha-trypsin chain 1	P07477	PRSS1	CHEMBL209	<div></div>	1 / 2	Serine Protease
PEX	P08253	MMP2	CHEMBL333	<div></div>	5 / 2	Metallo Protease
Stromelysin-1	P08254	MMP3	CHEMBL283	<div></div>	3 / 2	Metallo Protease
Arachidonate 5-lipoxygenase	P09917	ALOX5	CHEMBL215	<div></div>	10 / 52	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div></div>	25 / 77	Unclassified

SwissTargetPrediction report:

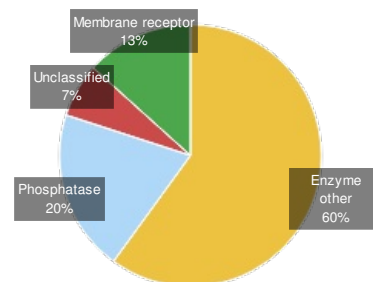
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of bioactive molecules, Bioinformatics
 (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



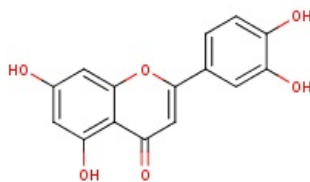
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
DNA polymerase beta	P06746	POLB	CHEMBL2392	<div><div></div></div>	6 / 19	Enzyme
Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	15 / 49	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	15 / 49	Tyr Phosphatase
Corticosteroid 11-beta-dehydrogenase isozyme 1	P28845	HSD11B1	CHEMBL4235	<div><div></div></div>	6 / 24	Enzyme
Hydroxysteroid 11-beta-dehydrogenase 1-like protein (by homology)	Q7Z5J1	HSD11B1L		<div><div></div></div>	6 / 24	Enzyme
Aldo-keto reductase family 1 member B10	O60218	AKR1B10	CHEMBL5983	<div><div></div></div>	4 / 7	Enzyme
Aldose reductase (by homology)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	4 / 7	Enzyme
Aldo-keto reductase family 1 member B15 (by homology)	C9JRZ8	AKR1B15		<div><div></div></div>	4 / 7	Enzyme
Alcohol dehydrogenase [NADP(+)] (by homology)	P14550	AKR1A1	CHEMBL2246	<div><div></div></div>	4 / 7	Enzyme
1,5-anhydro-D-fructose reductase (by homology)	Q96JD6	AKR1E2		<div><div></div></div>	4 / 7	Enzyme
Phospholipase A2	P04054	PLA2G1B	CHEMBL4426	<div><div></div></div>	2 / 1	Enzyme
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	9 / 20	Unclassified
Receptor-type tyrosine-protein phosphatase F	P10586	PTPRF	CHEMBL3521	<div><div></div></div>	1 / 1	Membrane receptor
Low molecular weight phosphotyrosine protein phosphatase	P24666	ACP1	CHEMBL4903	<div><div></div></div>	1 / 1	Tyr Phosphatase
Receptor-type tyrosine-protein phosphatase delta (by homology)	P23468	PTPRD		<div><div></div></div>	1 / 1	Membrane receptor

SwissTargetPrediction report:

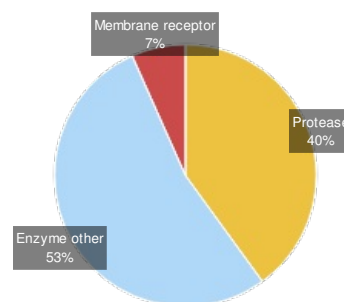
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



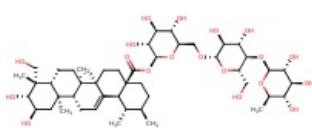
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
22 kDa interstitial collagenase (<i>by homology</i>)	P03956	MMP1	CHEMBL332	<div><div></div></div>	4 / 2	Metallo Protease
Cytochrome P450 1A2 (<i>by homology</i>)	P05177	CYP1A2	CHEMBL3356	<div><div></div></div>	9 / 13	Enzyme
PEX	P08253	MMP2	CHEMBL333	<div><div></div></div>	4 / 2	Metallo Protease
Stromelysin-1 (<i>by homology</i>)	P08254	MMP3	CHEMBL283	<div><div></div></div>	4 / 2	Metallo Protease
67 kDa matrix metalloproteinase-9	P14780	MMP9	CHEMBL321	<div><div></div></div>	4 / 2	Metallo Protease
Aldose reductase (<i>by homology</i>)	P15121	AKR1B1	CHEMBL1900	<div><div></div></div>	19 / 68	Enzyme
Amine oxidase [flavin-containing] A	P21397	MAOA	CHEMBL1951	<div><div></div></div>	7 / 31	Enzyme
Amine oxidase [flavin-containing] B (<i>by homology</i>)	P27338	MAOB	CHEMBL2039	<div><div></div></div>	7 / 31	Enzyme
ADP-ribosyl cyclase 1	P28907	CD38	CHEMBL4660	<div><div></div></div>	1 / 2	Enzyme
Adenosine receptor A1 (<i>by homology</i>)	P30542	ADORA1	CHEMBL226	<div><div></div></div>	5 / 23	Membrane receptor
Macrophage metalloelastase	P39900	MMP12	CHEMBL4393	<div><div></div></div>	4 / 2	Metallo Protease
Collagenase 3 (<i>by homology</i>)	P45452	MMP13	CHEMBL280	<div><div></div></div>	4 / 2	Metallo Protease
Xanthine dehydrogenase/oxidase	P47989	XDH	CHEMBL1929	<div><div></div></div>	8 / 14	Enzyme
Lactoylglutathione lyase	Q04760	GLO1	CHEMBL2424	<div><div></div></div>	3 / 4	Enzyme
Lysine-tRNA ligase	Q15046	KARS	CHEMBL5575	<div><div></div></div>	4 / 3	Enzyme

SwissTargetPrediction report:

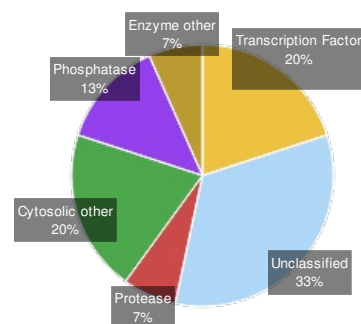
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of bioactive molecules, *Bioinformatics* (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



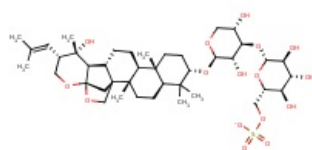
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	1 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (<i>by homology</i>)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	1 / 4	Unclassified
Signal transducer and activator of transcription 2 (<i>by homology</i>)	P52630	STAT2		<div><div></div></div>	1 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (<i>by homology</i>)	Q14765	STAT4		<div><div></div></div>	1 / 4	Transcription Factor
Activation peptide fragment 1	P00734	F2	CHEMBL204	<div><div></div></div>	1 / 10	Serine Protease
Bcl-2-like protein 1	Q07817	BCL2L1	CHEMBL4625	<div><div></div></div>	0 / 3	Cytosolic other
Apoptosis regulator Bcl-2 (<i>by homology</i>)	P10415	BCL2	CHEMBL4860	<div><div></div></div>	0 / 3	Cytosolic other
Bcl-2-like protein 2 (<i>by homology</i>)	Q92843	BCL2L2	CHEMBL4677	<div><div></div></div>	0 / 3	Cytosolic other
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	3 / 24	Unclassified
Tyrosine-protein phosphatase non-receptor type 2	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	12 / 35	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	12 / 35	Tyr Phosphatase
3-hydroxy-3-methylglutaryl-coenzyme A reductase	P04035	HMGCR	CHEMBL402	<div><div></div></div>	2 / 83	Enzyme
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	2 / 4	Unclassified
Muscleblind-like protein 2 (<i>by homology</i>)	Q5VZF2	MBNL2		<div><div></div></div>	2 / 4	Unclassified
Muscleblind-like protein 3 (<i>by homology</i>)	Q9NUK0	MBNL3		<div><div></div></div>	2 / 4	Unclassified

SwissTargetPrediction report:

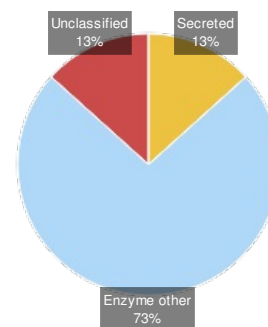
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of bioactive molecules, *Bioinformatics* (2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



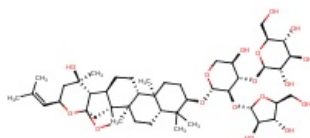
Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	0 / 12	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	0 / 12	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	0 / 7	Enzyme
Inactive heparanase-2 (by homology)	Q8WWQ2	HPSE2		<div><div></div></div>	0 / 7	Enzyme
Carbonic anhydrase 1	P00915	CA1	CHEMBL261	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 2	P00918	CA2	CHEMBL205	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 5A, mitochondrial (by homology)	P35218	CA5A	CHEMBL4789	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 7 (by homology)	P43166	CA7	CHEMBL2326	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 13 (by homology)	Q8N1Q1	CA13	CHEMBL3912	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 5B, mitochondrial (by homology)	Q9Y2D0	CA5B	CHEMBL3969	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 3 (by homology)	P07451	CA3	CHEMBL2885	<div><div></div></div>	1 / 21	Enzyme
Carbonic anhydrase 4	P22748	CA4	CHEMBL3729	<div><div></div></div>	1 / 1	Enzyme
Ras-related protein Rap-1A	P62834	RAP1A	CHEMBL1255139	<div><div></div></div>	0 / 1	Unclassified
cAMP-specific 3',5'-cyclic phosphodiesterase 4D	Q08499	PDE4D	CHEMBL288	<div><div></div></div>	0 / 1	Enzyme
Ras-related protein Rap-1b (by homology)	P61224	RAP1B		<div><div></div></div>	0 / 1	Unclassified

SwissTargetPrediction report:

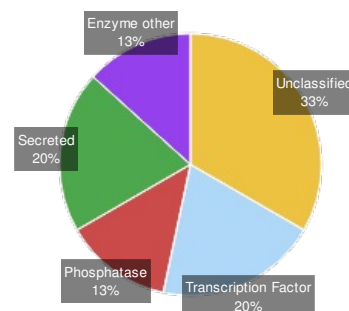
Reference:

Gfeller D., Michielin O. & Zoete V.
Shaping the interaction landscape of
bioactive molecules, *Bioinformatics*
(2013) 29:3073-3079.

Query Molecule



Frequency of Target Class



Target	Uniprot ID	Gene code	ChEMBL ID	Probability	# sim. cmpds (3D / 2D)	Target Class
Microtubule-associated protein tau	P10636	MAPT	CHEMBL1293224	<div><div></div></div>	1 / 12	Unclassified
Signal transducer and activator of transcription 3	P40763	STAT3	CHEMBL4026	<div><div></div></div>	2 / 4	Transcription Factor
Signal transducer and activator of transcription 1-alpha/beta (by homology)	P42224	STAT1	CHEMBL6101	<div><div></div></div>	2 / 4	Unclassified
Signal transducer and activator of transcription 2 (by homology)	P52630	STAT2		<div><div></div></div>	2 / 4	Transcription Factor
Signal transducer and activator of transcription 4 (by homology)	Q14765	STAT4		<div><div></div></div>	2 / 4	Transcription Factor
Muscleblind-like protein 1	Q9NR56	MBNL1	CHEMBL1293317	<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 2 (by homology)	Q5VZF2	MBNL2		<div><div></div></div>	0 / 2	Unclassified
Muscleblind-like protein 3 (by homology)	Q9NUK0	MBNL3		<div><div></div></div>	0 / 2	Unclassified
Tyrosine-protein phosphatase non-receptor type 1	P18031	PTPN1	CHEMBL335	<div><div></div></div>	4 / 6	Tyr Phosphatase
Tyrosine-protein phosphatase non-receptor type 2 (by homology)	P17706	PTPN2	CHEMBL3807	<div><div></div></div>	4 / 6	Tyr Phosphatase
Fibroblast growth factor 1	P05230	FGF1	CHEMBL2120	<div><div></div></div>	1 / 6	Secreted
Fibroblast growth factor 2	P09038	FGF2	CHEMBL3107	<div><div></div></div>	1 / 6	Secreted
Vascular endothelial growth factor A	P15692	VEGFA	CHEMBL1783	<div><div></div></div>	1 / 2	Secreted
Heparanase 8 kDa subunit	Q9Y251	HPSE	CHEMBL3921	<div><div></div></div>	1 / 3	Enzyme
Inactive heparanase-2 (by homology)	Q8WWQ2	HPSE2		<div><div></div></div>	1 / 3	Enzyme