Table 1: Results of Target prediction for the compounds.

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| Ligand | Target | Organism | Affinity (Ki) |
| BDBM74574 | Importin subunitalpha-1 | Human | EC50: >5.00E+5 |
| Glutamate receptorionotropic, NMDA 1 | Rat | >1.00E+4 |
| Metabotropicglutamate receptor6 | Human | EC50: >1.00E+6 |
| Metabotropicglutamate receptor2 | Human | EC50: >1.00E+6 |
| BDBM18125 | Glutamate receptorionotropic, NMDA 1 | Rat | 8.00E+03 |
| N(4)-(beta-N-acetylglucosaminyl)-L-asparaginase | Human | 6.00E+05 |
| Glutamate receptor3 | Rat | >1.00E+4 |
| Metabotropicglutamate receptor2 | Human | EC50: >1.00E+6 |
| Glutamate receptorionotropic, NMDA 1 | Rat | 1.60E+03 |
| Muscarinicacetylcholinereceptor M2 | Rat | 700 |
| Glutamate receptor3 | Rat | >1.00E+4 |
| N(4)-(beta-N-acetylglucosaminyl)-L-asparaginase | Human | 6.00E+05 |
| Glutamate receptor3 | Rat | >1.00E+4 |
| Metabotropicglutamate receptor6 | Human | EC50: >1.00E+6 |
| BDBM97034 | Probable globaltranscriptionactivator SNF2L2 | Human |  |
| BDBM50013775 | Oxytocin receptor | Rat | 0.89 |
| Vasopressin V1areceptor | Rat | 46.2 |
| Vasopressin V1breceptor | Rat | 39.4 |
| BDBM50000105(CHEMBL72275) | Glutamate receptorionotropic, NMDA 1 | Rat | IC50: 1.72E+4 |
| BDBM50153109 | DNA polymerase alphacatalytic subunit | Human | IC50: >5.00E+5 |
| DNA polymerasealpha catalyticsubunit | Human | IC50: >5.00E+5 |
| DNA polymerasebeta | Rat | IC50: >5.00E+5 |
| BDBM50000100 | TargetGlutamatereceptorionotropic, NMDA1 | Rat | IC50: 4.14E+5 |
| BDBM10759 | Neuropeptide Yreceptor type 1 | Human | IC50: >3.50E+4 |
| Neuropeptide Yreceptor type 2 | Human | IC50: >3.50E+4 |
| G protein-activatedinward rectifierpotassium channel1 | Rat |  |
| Nicotinicacetylcholinereceptor | Cape York rat | 47.3 |
| Cannabinoidreceptor 1 | Medicinal leech | 1.00E+ |
| Neuronalacetylcholinereceptor subunitalpha-4 | Human | 2.66 |
| Nicotinicacetylcholinereceptor | Cape York rat | 4 |
| Muscarinicacetylcholinereceptor M2 | Human | 347 |
| Muscarinicacetylcholinereceptor M2 | Rat | 430 |
| Neuronalacetylcholinereceptor subunitalpha-3 | Rat | 881 |
| Nicotinicacetylcholinereceptor | Cape York rat | 32.8 |
| Neuronalacetylcholinereceptor subunitalpha-4 | Human | >1.00E+4 |
| Muscarinicacetylcholinereceptor M2 | Human | 340 |
| Muscarinicacetylcholinereceptor M3 | Human | 4.20E+03 |
| Muscarinicacetylcholinereceptor M4 | Human | 5.40E+03 |
| Muscarinicacetylcholinereceptor M5 | Human | 800 |
| Neuronalacetylcholinereceptor subunitalpha-2 | Rat | 110 |
| Neuronalacetylcholinereceptor subunitalpha-3 | Rat | 56 |
| Tropomyosin alpha-1 chain | Pig | EC50: >7.14E+4 |
| Beta-arrestin-1 | Rabbit | 3.23E+03 |
| Muscarinicacetylcholinereceptor M2 | Rat | >1.00E+4 |
| Muscarinicacetylcholinereceptor M1 | Human | 3.4 |
| Nicotinic acetylcholine receptor | Cape York rat | 47.3 |
| Glutamate receptorionotropic, NMDA 1 | Rat | >1.00E+4 |
| BDBM50338976 | ATP-dependenttranslocase ABCB1 | Human | IC50: 1.15E+4 |
| Xanthinedehydrogenase/oxidase | Human | IC50: >1.00E+5 |
| Broad substratespecificity ATP-bindingcassette transporterABCG2 | Human | IC50: 4.90E+3 |
| Broad substratespecificity ATP-bindingcassette transporterABCG2 | Human | IC50: 4.40E+3 |
| DNA polymerase beta | Rat | IC50: >5.00E+5 |
| BDBM50101976 | Cytochrome P450 2C9 | Human | 6.80E+03 |
| CHEMBL3814532 | Induced myeloidleukemia celldifferentiation proteinMcl-1 | HUMAN | 7.00E+03 |
| BDBM50542904 | Programmed cell death1 ligand/protein 1 | Human | IC50: >1.00E+5 |
| Muscarinic acetylcholine receptor M2 | Rat | 430 |
| Cannabinoid receptor 1 | Medicinal leech | 1,000 |
| Neuronal acetylcholine receptor α-2 | Rat | 110 |
| Neuronal acetylcholine receptor α-3 | Rat | 850 |
| Neuronal acetylcholine receptor α-4 | Rat | 44 |
| BDBM31174 | Glutamate receptor ionotropic NMDA-1 | Rat | 800 |