Dopamine Receptors are a class of G protein-coupled receptors that are prominent in the vertebrate central nervous system (CNS). The neurotransmitter dopamine is the primary endogenous ligand for dopamine receptors. Dopamine receptors are implicated in many neurological processes, including motivation, pleasure, cognition, memory, learning, and fine motor control, as well as modulation of neuroendocrine signaling. Abnormal dopamine receptor signaling and dopaminergic nerve function is implicated in several neuropsychiatric disorders. Thus, dopamine receptors are common neurologic drug targets; antipsychotics are often dopamine receptor antagonists while psychostimulants are typically indirect agonists of dopamine receptors. There are at least five subtypes of dopamine receptors, D1, D2, D3, D4, and D5. The D1 and D5 receptors are members of the D1-like family of dopamine receptors, whereas the D2, D3 and D4 receptors are members of the D2-like family.
# Dopamine Receptor Inhibitors & Modulators

<table>
<thead>
<tr>
<th>Compound</th>
<th>Cat. No.</th>
<th>Bioactivity</th>
<th>Purity</th>
<th>Clinical Data</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>(+)-Dihydrexidine hydrochloride (DAR-0100 hydrochloride)</td>
<td>HY-101299</td>
<td>(+)-Dihydrexidine hydrochloride is a dopamine D₁ receptor agonist with an EC₅₀ of 72±21 nM.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>250 mg, 500 mg</td>
</tr>
<tr>
<td>(+)-PD 128907 hydrochloride</td>
<td>HY-110000</td>
<td>(+)-PD 128907 hydrochloride is a selective dopamine D₂/D₃ receptor agonist, with Kᵢ of 1.7, 0.84 nM for human and rat D₂ receptors, 179, 770 nM for human and rat D₃ receptors, respectively.</td>
<td>98.83%</td>
<td>No Development Reported</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</td>
</tr>
<tr>
<td>(±)-Methotrimeprazine (D6) (dl-Methotrimeprazine D6)</td>
<td>HY-19489S</td>
<td>(±)-Methotrimeprazine (D6) is the deuterium labeled Methotrimeprazine, which is a D3 dopamine and Histamine H1 receptor antagonist.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg</td>
</tr>
<tr>
<td>5-HT6/7 antagonist 1</td>
<td>HY-101622</td>
<td>5-HT6/7 antagonist 1 is a multifunctional ligand that antagonizes 5-HT₆/₇/₂A and D₂ receptors, without interacting with M1 receptors and hERG channels.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>250 mg, 500 mg</td>
</tr>
<tr>
<td>A-381393</td>
<td>HY-116941</td>
<td>A-381393 is a potent, selective, brain penetrate dopamine D₄ receptor antagonist, with Kᵢ of 1.5, 1.9 and 1.6 nM for human dopamine D₄, D₂, and D₃ receptors, respectively. &gt;2700-fold selectivity over D₂, D₃, D₄.</td>
<td>&gt;99.6%</td>
<td>No Development Reported</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</td>
</tr>
<tr>
<td>A-437203 (Lu201640; A37203)</td>
<td>HY-U00185</td>
<td>A-437203 is a selective D₂ receptor antagonist with Kᵢ of 71, 1.6, and 6220 nM for D₂, D₃, and D₄ receptors, respectively.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg</td>
</tr>
<tr>
<td>Abaperidone</td>
<td>HY-101619</td>
<td>Abaperidone is a potent antagonist of 5-HT₂A receptor and dopamine D₂ receptor with IC₅₀ of 6.2 and 17 nM.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
<tr>
<td>ABT-670</td>
<td>HY-19483</td>
<td>ABT-670 is a selective, oral bioavailable agonist of dopamine D₄ receptor, with EC₅₀ of 89 nM, 160 nM, and 93 nM for human D₄, ferret D₄, and rat D₄ receptors, respectively.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
<tr>
<td>Adoprazine (SLV313)</td>
<td>HY-14782</td>
<td>Adoprazine, a potential atypical antipsychotic bearing potent D₂ receptor antagonist and 5-HT1A receptor agonist properties.</td>
<td>98.13%</td>
<td>Phase 1</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg</td>
</tr>
<tr>
<td>Alizapride hydrochloride</td>
<td>HY-A0125A</td>
<td>Alizapride hydrochloride is a dopamine receptor antagonist with prokinetic and antiemetic effects which can also be used in the treatment of nausea and vomiting, including postoperative nausea and vomiting.</td>
<td>99.95%</td>
<td>No Development Reported</td>
<td>10mM x 1mL in DMSO, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>
Amisulpride (DAN 2163)  Cat. No.: HY-14545

Bioactivity: Amisulpride is a dopamine $D_2/D_3$ receptor antagonist with $K_i$s of 2.8 and 3.2 nM for human dopamine $D_2$ and $D_3$, respectively.
Purity: 98.0%
Clinical Data: Launched
Size: 100 mg, 200 mg, 500 mg

Amisulpride hydrochloride (DAN 2163 hydrochloride)  Cat. No.: HY-14545A

Bioactivity: Amisulpride hydrochloride is a dopamine $D_2/D_3$ receptor antagonist with $K_i$s of 2.8 and 3.2 nM for human dopamine $D_2$ and $D_3$, respectively.
Purity: >98%
Clinical Data: Launched
Size: 100 mg, 200 mg, 500 mg

Asenapine hydrochloride  Cat. No.: HY-16567

Bioactivity: Asenapine maleate, an antipsychotic, is a 5-HT (3A, 1B, 2A, 2B, 2C, 5A, 6, 7) and Dopamine ($D_2$, $D_3$, $D_4$) receptor antagonist with $K_i$ values of 0.03-4.0 nM for 5-HT and 1.3, 0.42, 1.1 nM for Dopamine receptor, respectively.
Purity: 99.39%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

Azaperone (R-1929)  Cat. No.: HY-B1470

Bioactivity: Azaperone (R-1929) acts as a dopamine antagonist but also has some antihistaminic and anticholinergic properties. Azaperone is a pyridinylpiperazine and butyrophenone neuroleptic drug with sedative and antiemetic effects, which is used mainly as a tranquilizer in veterinary medicine.
Purity: 99.58%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Benzamide Derivative 1  Cat. No.: HY-U00415

Bioactivity: Benzamide Derivative 1 is a benzamide derivative from patent EP0213775A1, compound 18. Benzamide Derivative 1 may be useful in treatment of gastrointestinal disorders.
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Blonanserin (AD-5423)  Cat. No.: HY-13575

Bioactivity: Blonanserin(AD-5423) is a D2/5-HT2 receptor antagonist, atypical antipsychotic. Target: D2 receptor; 5-HT2 receptor. Blonanserin belongs to a series of 4-phenyl-2-(1-piperazinyl)pyridines and...
Purity: 99.77%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 25 mg, 100 mg

BP 897  Cat. No.: HY-106660

Bioactivity: BP 897 is a potent and selective dopamine D3 receptor agonist, and a weak dopamine D2 receptor antagonist, with $K_i$ of 0.92 nM and 61 nM for D3 and D2 receptors, and shows low affinities at D1 and D4 receptors ($K_i$s, 3 and 0.3...)
Purity: >98%
Clinical Data: No Development Reported
Size: 250 mg, 500 mg

Brexpiprazole (OPC-34712)  Cat. No.: HY-15780

Bioactivity: Brexpiprazole is a partial agonist of human 5-HT1A and dopamine receptor with $K_i$ of 0.12 nM and 0.3 nM, respectively. Brexpiprazole is also a 5-HT2A receptor antagonist with a $K_i$ of 0.47 nM.
Purity: 99.38%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

Bromocriptine mesylate (CB-154)  Cat. No.: HY-12705A

Bioactivity: Bromocriptine mesylate is a potent dopamine D2/D3 receptor agonist, which binds D2 dopamine receptor with $pK_i$ of 8.05±0.2.
Purity: 99.98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg

Bromopride  Cat. No.: HY-B1164

Bioactivity: Bromopride is a dopamine antagonist with prokinetic properties widely used as an antiemetic.
Purity: >98%
Clinical Data: Launched
Size: 5 mg, 10 mg, 50 mg

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<table>
<thead>
<tr>
<th>Product Name</th>
<th>Cat. No.</th>
<th>Bioactivity</th>
<th>Purity</th>
<th>Clinical Data</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabergoline</td>
<td>HY-15296</td>
<td>Cabergoline is an ergot derived-dopamine D₂-like receptor antagonist that has high affinity for D₂, D₃, and 5-HT₂B receptors (Kᵢ=0.7, 1.5, and 1.2, respectively).</td>
<td>&gt;98%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg</td>
</tr>
<tr>
<td>Cariprazine</td>
<td>HY-14763</td>
<td>Cariprazine is a novel antipsychotic drug candidate that exhibits high affinity for the D₂ (Kᵢ=0.085 nM) and D₂ (Kᵢ=0.49 nM) receptors, and moderate affinity for the 5-HT₁A receptor (Kᵢ=2.6 nM).</td>
<td>99.35%</td>
<td>No Development Reported</td>
<td>5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Cariprazine hydrochloride</td>
<td>HY-14763A</td>
<td>Cariprazine hydrochloride is a novel antipsychotic drug candidate that exhibits high affinity for the D₂ (Kᵢ=0.085 nM) and D₂ (Kᵢ=0.49 nM) receptors, and moderate affinity for the 5-HT₁A receptor (Kᵢ=2.6 nM).</td>
<td>99.89%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Chlorpromazine D6 hydrochloride</td>
<td>HY-80407AS</td>
<td>Chlorpromazine D6 hydrochloride is the deuterium labeled Chlorpromazine. Chlorpromazine is an inhibitor of dopamine receptor, 5-HT receptor, potassium channel, sodium channel.</td>
<td>99.0%</td>
<td>No Development Reported</td>
<td>10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg</td>
</tr>
<tr>
<td>Chlorpromazine hydrochloride</td>
<td>HY-80407A</td>
<td>Chlorpromazine Hydrochloride is an antagonist of the dopamine D2, 5HT2A, potassium channel and sodium channel. Chlorpromazine binds with D2 and 5HT2A with Kᵢ of 363 nM and 8.3 nM, respectively.</td>
<td>99.83%</td>
<td>Launched</td>
<td>1 g, 5 g</td>
</tr>
<tr>
<td>Chlorprothixene</td>
<td>HY-B0274</td>
<td>Chlorprothixene has strong binding affinities to dopamine and histamine receptors, such as D1, D2, D3, D5, H1, 5-HT2, 5-HT6 and 5-HT7, with Kᵢ of 18 nM, 2.96 nM, 4.56 nM, 9 nM, 3.75 nM, 9.4 nM, 3 nM and 5.6 nM, respectively.</td>
<td>99.52%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg, 500 mg</td>
</tr>
<tr>
<td>Clebopride malate</td>
<td>HY-B1613A</td>
<td>Clebopride malate is a dopamine antagonist drug with antiemetic and prokinetic properties used to treat functional gastrointestinal disorders.</td>
<td>99.46%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Clocapramine</td>
<td>HY-82073</td>
<td>Clocapramine is an antagonist of the D₂, 5-HT₂A receptors.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg</td>
</tr>
<tr>
<td>Clocapramine hydrochloride hydrate</td>
<td>HY-82073A</td>
<td>Clocapramine hydrochloride hydrate is an antagonist of the D₂ and 5-HT₂A receptors.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg</td>
</tr>
</tbody>
</table>
### Clomipramine hydrochloride

**Bioactivity:** Clomipramine HCl is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with Ki of 0.14, 54 and 3 nM, respectively. Target: S-HT Receptor Clomipramine hydrochloride (Anafranil) is a hydrochloride salt of clomipramine which is a serotonin...  
**Purity:** 99.72%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

### Clozapine (HF 1854)

**Bioactivity:** Clozapine (HF 1854) is an antipsychotic used to treat schizophrenia. Clozapine is a potent antagonist of dopamine and a number of other receptors, with a Ki of 9.3 nM for M1 receptor.  
**Purity:** 99.97%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg, 5 g

### Dexpramipexole (KNS-760704)

**Bioactivity:** Dexpramipexole(KNS-760704), also known as R(+)Pramipexole, is a neuroprotective agent and weak non-ergoline dopamine agonist. IC50 Value:  
**Purity:** >98%  
**Clinical Data:** Phase 3  
**Size:** 10 mg, 50 mg

### Dexpramipexole dihydrochloride (dihydrochloride)

**Bioactivity:** Dexpramipexole dihydrochloride, also known as R-Prampipexole, is a neuroprotective agent and weak non-ergoline dopamine agonist. IC50 Value: Target: Dopamine Receptor Dexpramipexole has been found to have neuroprotective effects and is being investigated for treatment of amyotroph...  
**Purity:** 98.1%  
**Clinical Data:** Phase 3  
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

### Dicarbene

**Bioactivity:** Dicarbene blocks dopamine receptors in various brain parts and prevents the depression of the conditioned defence reflexes caused by stimulation of the mesencephalic portion of the reticular formation. Dicarbene could be used to treat patients with schizophrenia and alcoholic psychosis in...  
**Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:**

### Dopamine hydrochloride (ASL279)

**Bioactivity:** Dopamine HCl is a catecholamine neurotransmitter present in a wide variety of animals, And a dopamine D1-5 receptors agonist. Target: Dopamine Receptor Dopamine (or 3,4-dihydroxyphenethylamine) is a neuroendocrine transmitter in the catecholamine and phenethylamine families that plays a...  
**Purity:** 98.0%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

### Dopamine serotonin antagonist-1

**Bioactivity:** Dopamine serotonin antagonist-1 is a dual dopamine and serotonin receptor antagonist with Ki of 200, 2500, 420, 39, 84, 40 nM for dopamine D1, D2, D4, and serotonin 5HT1A, 5HT2A, 5HT3, respectively.  
**Purity:** 99.7%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

### Drosperidol (Dehydrobenzperidol)

**Bioactivity:** Droperidol is a Dopamine-2 Receptor Antagonist.  
**Purity:** 99.29%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg

### Fenoldopam (SKF 82526)

**Bioactivity:** Fenoldopam(SKF 82526) is a drug and synthetic benzazepine derivative which acts as a selective D1 receptor partial agonist.  
**Purity:** >98%  
**Clinical Data:** Launched  
**Size:** 10 mg
| **Fenoldopam mesylate**  
(Fenoldopam methanesulfonate; SKF-82526 mesylate)  
Cat. No.: HY-B0735A | **Fluphenazine dihydrochloride**  
Cat. No.: HY-A0081 |
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong> Fenoldopam(SKF 82526) mesylate is a drug and synthetic benzazepine derivative which acts as a selective D1 receptor partial agonist.</td>
<td><strong>Bioactivity:</strong> Fluphenazine dihydrochloride is a phenothiazine-class D1DR and D2DR inhibitor, used to deliver Fluphenazine to biological systems in studies probing the effects and metabolic fates of this commonly used dopamine antagonist.</td>
</tr>
</tbody>
</table>
| **Purity:** 99.85%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg | **Purity:** 99.96%  
**Clinical Data:** Launched  
**Size:** 100 mg |

| **Foscarbidopa**  
(Carbidopa 4'-monophosphate)  
Cat. No.: HY-109131 | **Foslevodopa**  
(Dopa 4-Phosphate; 3-Hydroxy-O-phosphono-L-tyrosine)  
Cat. No.: HY-109132 |
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong> Foscarbidopa (Carbidopa 4'-monophosphate) is a prodrug of Carbidopa, acts as a dopamine receptor agonist [1][2].</td>
<td><strong>Bioactivity:</strong> Foslevodopa is a dopamine receptor agonist [1].</td>
</tr>
</tbody>
</table>
| **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** | **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** |

| **GSK163090**  
Cat. No.: HY-14348 | **GSK598809**  
Cat. No.: HY-19654 |
<table>
<thead>
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</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong> GSK163090 is a potent, selective, and orally active 5-HT1A/B/D receptor antagonist with pKi of 9.4/8.5/9.7, and 6.3/6.7 for 5-HT1A/5/B/D, and dopamine D2/D3, respectively.</td>
<td><strong>Bioactivity:</strong> GSK598809 is a potent and selective dopamine D3 Receptor (DRD3) antagonist, with a pKi of 8.9.</td>
</tr>
</tbody>
</table>
| **Purity:** 99.95%  
**Clinical Data:** Phase 2  
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg | **Purity:** 99.73%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg |

| **Haloperidol**  
Cat. No.: HY-14538 | **Haloperidol D4**  
Cat. No.: HY-14538S |
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong> Haloperidol is a potent dopamine D2 receptor antagonist, widely used as an antipsychotic.</td>
<td><strong>Bioactivity:</strong> Haloperidol D4 is deuterium labeled haloperidol, and the latter is a potent dopamine D2 receptor antagonist.</td>
</tr>
</tbody>
</table>
| **Purity:** 99.72%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg | **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 1 mg |

| **Haloperidol D4'**  
Cat. No.: HY-14538S1 | **Haloperidol hydrochloride**  
Cat. No.: HY-14538A |
<table>
<thead>
<tr>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong> Haloperidol D4' is deuterium labeled haloperidol, and the latter is a potent dopamine D2 receptor antagonist.</td>
<td><strong>Bioactivity:</strong> Haloperidol hydrochloride is a potent dopamine D2 receptor antagonist, widely used as an antipsychotic.</td>
</tr>
</tbody>
</table>
| **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 1 mg | **Purity:** >98%  
**Clinical Data:** Launched  
**Size:** 100 mg, 500 mg |
Iloperidone (HP 873)  
**Cat. No.:** HY-17410

**Bioactivity:** Iloperidone (HP 873) is a D2/5-HT2 receptor antagonist, which is an atypical antipsychotic for the treatment of schizophrenia symptoms.

**Purity:** 99.93%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

---

Iloperidone hydrochloride (HP 873 hydrochloride)  
**Cat. No.:** HY-17410A

**Bioactivity:** Iloperidone (hydrochloride) is a D(2)/5-HT(2) receptor antagonists, which is an atypical antipsychotic for the treatment of schizophrenia symptoms.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg, 100 mg

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L-DOPA (Levodopa, 3,4-Dihydroxyphenylalanine)  
**Cat. No.:** HY-N0304

**Bioactivity:** L-DOPA is a natural form of DOPA used in the treatment of Parkinson's disease. L-DOPA is the precursor of dopamine and product of tyrosine hydroxylase. Target: Dopamine Receptor L-DOPA (L-3,4-dihydroxyphenylalanine) is a chemical that is made and used as part of the normal biology of humans, some...

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 200 mg, 1 g

---

Levosulpiride (RV-12309; S-(-)-Sulpiride)  
**Cat. No.:** HY-B1059

**Bioactivity:** Levosulpiride (RV-12309) is the (S)-enantiomer of sulpiride, which is a D2 receptor a antagonist, an atypical antipsychotic drug of the benzamide class.

**Purity:** 99.99%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 100 mg

---

Lumateperone Tosylate (ITI-007)  
**Cat. No.:** HY-19733

**Bioactivity:** Lumateperone Tosylate is a 5-HT2A receptor antagonist (Ki = 0.54 nM), a partial agonist of presynaptic D2 receptors and an antagonist of postsynaptic D2 receptors (Ki = 32 nM), and a SERT blocker (Ki = 61 nM). IC50 value: 0.54 nM (Ki, for 5-HT2A receptor) Target: 5-HT2A receptor Lumateperone also possesses...

**Purity:** 99.21%

**Clinical Data:** Phase 3

**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

---

Lurasidone (SM-13496)  
**Cat. No.:** HY-80032A

**Bioactivity:** Lurasidone (SM-13496) is an antagonist of both dopamine D2 and 5-HT7 with IC50 of 1.68 and 0.495 nM, respectively. Lurasidone (SM-13496) is also a partial agonist of 5-HT1A receptor with an IC50 of 6.75 nM.

**Purity:** 99.33%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg, 100 mg

---

Lurasidone Hydrochloride (SM-13496 (Hydrochloride))  
**Cat. No.:** HY-80032

**Bioactivity:** Lurasidone (Hydrochloride) (SM-13496 (Hydrochloride)) is an antagonist of both dopamine D2 and 5-HT7, with IC50 of 1.68 and 0.495 nM, respectively. Lurasidone (Hydrochloride) (SM-13496 (Hydrochloride)) is also a partial agonist of 5-HT1A receptor.

**Purity:** 99.87%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

---

Metoclopramide  
**Cat. No.:** HY-17382

**Bioactivity:** Metoclopramide is a dopamine D2 antagonist that is used as an antiemetic. IC50 Value: Target: D2 Receptor Metoclopramide is a dopamine receptor antagonist which has been used for treatment of a variety of gastrointestinal symptoms over the last thirty years. In various countries, metoclopramide is the...

**Purity:** 99.94%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

---

Molindone hydrochloride (Molindone hydrochloride monohydrate)  
**Cat. No.:** HY-17382A

**Bioactivity:** Molindone hydrochloride hydrate is a dopamine D2 antagonist that is used as an antipsychotic, used in the treatment of schizophrenia, works by blocking the effects of dopamine in the brain, leading to diminished psychoses.

**Purity:** 99.94%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

---

Metoclopramide hydrochloride hydrate (Metoclopramide monohydrochloride monohydrate)  
**Cat. No.:** HY-17382A

**Bioactivity:** Metoclopramide hydrochloride hydrate is a dopamine D2 antagonist that is used as an antipsychotic. IC50 Value: Target: D2 Receptor Metoclopramide is a dopamine receptor antagonist which has been used for treatment of a variety of gastrointestinal symptoms over the last thirty years. In...

**Purity:** 99.94%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

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**NEO 376**  
(SPI-376)  
Cat. No.: HY-101583

**Bioactivity:** NEO 376 is a selective modulator of 5-HT1 receptor, GABA receptor, and dopamine receptor, with anti-psychotic activity.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 1 mg, 5 mg, 10 mg, 20 mg

---

**Neuromedin N**  
(Neuromedin N (rat, mouse, porcine, canine))  
Cat. No.: HY-P0079

**Bioactivity:** Neuromedin N is a potent modulator of dopamine D2 receptor agonist binding in rat neostriatal membranes.

**Purity:** 99.91%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in Water, 5 mg, 10 mg, 25 mg

---

**NMI 8739**  
Cat. No.: HY-101540

**Bioactivity:** NMI 8739 is a dopamine D2 autoreceptor agonist, which is an amine conjugate of the DHA carrier and the neurotransmitter dopamine.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg

---

**Nomifensine maleate**  
((±)-Nomifensine maleate)  
Cat. No.: HY-B1110A

**Bioactivity:** Nomifensine maleate is a selective inhibitor of dopamine uptake, used in adult attention deficit disorder.

**Purity:** 98.14%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in DMSO, 50 mg, 100 mg

---

**Nuciferine**  
Cat. No.: HY-N0049

**Bioactivity:** Nuciferine is an antagonist at 5-HT2A (IC50 = 478 nM), 5-HT2C (IC50 = 131 nM), and 5-HT2B (IC50 = 0.1 μM), an inverse agonist at 5-HT2D (IC50 = 150 nM), a partial agonist at D2 (EC50 = 64 nM), D5 (EC50 = 2.6 μM) and 5-HT6 (EC50 =...)

**Purity:** 99.65%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 25 mg

---

**Ocaperidone**  
(R79598)  
Cat. No.: HY-101094

**Bioactivity:** Ocaperidone is an effective antipsychotic agent, acting as a potent 5-HT2 and dopamine D2 antagonist, and a 5-HT1A agonist, with Ki values of 0.14 nM, 0.46 nM, 0.75 nM, 1.6 nM and 5.4 nM for 5-HT2, 5-HT1A, 5-HT1B, 5-HT1C, and 5-HT1D, respectively, and as a potent dopamine D2 receptor antagonist.

**Purity:** 98.55%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

---

**Oxidopamine hydrobromide**  
(6-Hydroxydopamine hydrobromide; 6-OHDA hydrobromide)  
Cat. No.: HY-B1081A

**Bioactivity:** Oxidopamine hydrobromide is a widely used neurotoxin that selectively destroys dopaminergic neurons.

**Purity:** 98.0%

**Clinical Data:** No Development Reported

**Size:** 10 mM x 1 mL in DMSO, 50 mg, 100 mg, 200 mg, 500 mg, 1 g
### Paliperidone
*(9-hydroxyrisperidone)*

**Cat. No.:** HY-A0019

**Bioactivity:** Paliperidone (9-hydroxyrisperidone) is a dopamine antagonist of the atypical antipsychotic class of medications.

**Purity:** 99.09%

**Clinical Data:** Launched

**Size:**
- 10 mM x 1 mL in DMSO,
- 50 mg, 100 mg, 200 mg, 500 mg

---

### Pardoprunox hydrochloride
*(SLV-308 hydrochloride; DU-126891 hydrochloride)*

**Cat. No.:** HY-14958A

**Bioactivity:** Pardoprunox hydrochloride is a novel partial dopamine D2 and D3 receptor agonist and serotonin 5-HT1A receptor agonist, D2 (pKi = 8.1) and D3 receptor (pKi = 8.6) partial agonist and 5-HT1A receptor (pKi = 8.5) full agonist.

**Purity:** 98.89%

**Clinical Data:** Phase 3

**Size:**
- 5 mg, 10 mg, 50 mg, 100 mg

---

### PD-168077 maleate
**Cat. No.:** HY-21098A

**Bioactivity:** PD-168077 maleate is a selective dopamine D4 receptor agonist, with a Kᵢ of 9 nM.

**Purity:** 98.44%

**Clinical Data:** No Development Reported

**Size:**
- 10 mM x 1 mL in DMSO,
- 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

---

### Pentiapine
*(CGS 10746)*

**Cat. No.:** HY-100143

**Bioactivity:** Pentiapine is a novel dopamine release inhibitor.

**Purity:** > 98%

**Clinical Data:** No Development Reported

**Size:**
- 1 mg, 5 mg, 10 mg

---

### Perphenazine
**Cat. No.:** HY-A0077

**Bioactivity:** Perphenazine is a typical antipsychotic drug, inhibits 5-HT₂A receptor, Alpha-1A adrenergic receptor, Dopamine receptor D2/D3, D2L receptor, and Histamine H1 receptor, with Kᵢ values of 5.6, 10, 0.765/0.13, 3.4, and 8 ...  

**Purity:** 99.90%

**Clinical Data:** Launched

**Size:**
- 10 mM x 1 mL in DMSO,
- 1 g, 5 g

---

### Pergolide mesylate
*(Pergolide methanesulfonate; LY127809)*

**Cat. No.:** HY-13720A

**Bioactivity:** Pergolide Mesylate is an antiparkinsonian agent which functions as a dopaminergic agonist. Target: Dopamine Receptor Pergolide mesylate (trade name Permax) is an ergoline-based dopamine receptor agonist used in some countries for the treatment of Parkinson's disease. Pergolide mesylate functions...

**Purity:** 99.93%

**Clinical Data:** Launched

**Size:**
- 10 mM x 1 mL in DMSO,
- 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

---

### Perphenazine D8 Dihydrochloride
**Cat. No.:** HY-A0077AS

**Bioactivity:** Perphenazine D8 Dihydrochloride is the deuterium labeled Perphenazine, which is a typical antipsychotic drug(5-HT, Dopamine receptor ligand).

**Purity:** > 98%

**Clinical Data:** No Development Reported

**Size:**
- 1 mg, 5 mg, 10 mg

---

### PF-592379
**Cat. No.:** HY-U00400

**Bioactivity:** PF-592379 is a potent dopamine D₃ receptor agonist with an EC₅₀ of 21 nM.

**Purity:** > 98%

**Clinical Data:** No Development Reported

**Size:**
- 1 mg, 5 mg, 10 mg, 20 mg

---

### Pimethixene
*(Pimetixene)*

**Cat. No.:** HY-B1101

**Bioactivity:** Pimethixene is antihistamine and antiserotonergic compound, acts as an antimigraine agent. Pimethixene is a highly potent antagonist of 5-HT₂A, 5-HT₂C, 5-HT₂B, 5-HT₄C, 5-HT₄A, histamine H₁, dopamine D₂ and D₄ receptors as well as muscarinic...

**Purity:** > 98%

**Clinical Data:** Launched

**Size:**
- 10 mg
Bioactivity:
Pimethixene maleate is antihistamine and antiserotonergic compound, acts as an antimigraine agent. Pimethixene maleate is a highly potent antagonist of 5-HT1A, 5-HT2A, 5-HT2B, 5-HT2C, histamine H1, dopamine D2 and D4 as well...

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg

Bioactivity:
Pimozide is a dopamine receptor antagonist, with Ki of 1.4 nM, 2.5 nM and 588 nM for dopamine D2, D3 and D1 receptors, respectively, and also has affinity at α1-adrenoceptor, with a Ki of 39 nM, Pimozide also inhib...

Purity: 99.88%
Clinical Data: No Development Reported
Size: 10 mM x 1 mL in DMSO, 50 mg

Bioactivity:
Piperidine-MO-1 is a modulator of dopamine receptor extracted from patent WO/2005/121087A1, compound example 2; exhibits an ED50 of 68 μmol/kg on increase of DOPAC in the rat striatum.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

Bioactivity:
Piribedil is a dopamine D2 receptor (D2R) agonist which also displays antagonist property at α1A-adrenoceptor (α1A-AR).

Purity: 99.90%
Clinical Data: No Development Reported
Size: 10 mM x 1 mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

Bioactivity:
Piribedil D8 is the deuterium labeled Piribedil, which is an antiparkinsonian agent.

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg

Bioactivity:
Pramipexole dihydrochloride is a dopamine receptor agonist...

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10 mM x 1 mL in Water, 10 mg, 50 mg

Bioactivity:
Pramipexole dihydrochloride is a dopamine receptor agonist...

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10 mM x 1 mL in Water, 10 mg, 50 mg

Bioactivity:
Pipethixene maleate is antihistamine and antiserotonergic compound, acts as an antimigraine agent. Pimethixene maleate is a highly potent antagonist of 5-HT1A, 5-HT2A, 5-HT2B, 5-HT2C, histamine H1, dopamine D2 and D4 as well...

Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg
<table>
<thead>
<tr>
<th><strong>Promazine hydrochloride</strong></th>
<th><strong>Cat. No.: HY-81225</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Promazine (hydrochloride) is a D2 dopamine receptor antagonist, belongs to the phenothiazine class of antipsychotics, used to treat schizophrenia.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.72%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in Water, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quetiapine fumarate</strong></th>
<th><strong>Cat. No.: HY-80031</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Quetiapine fumarate is an atypical antipsychotic used in the treatment of schizophrenia, bipolar I mania, bipolar II depression, bipolar I depression.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.54</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 1 g, 5 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quetiapine D4 fumarate</strong></th>
<th><strong>Cat. No.: HY-80031S</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Quetiapine D4 fumarate is the deuterium labeled Quetiapine, which is an atypical antipsychotic.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>98.0%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>No Development Reported</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>1 mg, 5 mg, 10 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quinagolide hydrochloride</strong></th>
<th><strong>Cat. No.: HY-13736A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Quinagolide hydrochloride is a selective dopamine D2 receptor agonist, also is a prolactin inhibitor. Target: dopamine D2 receptor, prolactin Quinagolide is a selective, D2 receptor agonist (or prolactin-release inhibitor) that is used for the treatment of elevated levels of prolactin. Quinagolide is...</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.96%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quinpirole Hydrochloride</strong></th>
<th><strong>Cat. No.: HY-B1752A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Quinpirole (Hydrochloride) is a high-affinity agonist dopamine D2/D3 receptor.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>No Development Reported</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>250 mg, 500 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>rac-Rotigotine Hydrochloride</strong></th>
<th><strong>Cat. No.: HY-15394</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>rac-Rotigotine HCl is a high potency and selectivity agonist for D-2 receptor with Ki of 0.69 nM.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>97.76%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>No Development Reported</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>Raclopride</strong></th>
<th><strong>Cat. No.: HY-103414</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Raclopride is a dopamine D2 / D3 receptor antagonist, which binds to D2 and D3 receptors with dissociation constants (Kd) of 1.8 nM and 3.5 nM, respectively, but has a very low affinity for D1 and D4 receptors with Kd,...</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>No Development Reported</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Risperidone</strong></th>
<th><strong>Cat. No.: HY-11018</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Risperidone is a serotonin 5-HT2 receptor blocker, P-Glycoprotein inhibitor and potent dopamine D2 receptor antagonist, with Ki of 4.8, 5.9 nM for 5-HT2 and dopamine D2 receptor, respectively.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.16%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Risperidone hydrochloride</strong></th>
<th><strong>Cat. No.: HY-11018A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Risperidone hydrochloride is a serotonin 5-HT2 receptor blocker and a potent dopamine D2 receptor antagonist, with Ki of 0.16, 1.4 nM for 5-HT2 and D2 receptors, respectively.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Risperidone mesylate</strong></th>
<th><strong>Cat. No.: HY-11018B</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Risperidone mesylate is a serotonin 5-HT2 receptor blocker(Ki= 0.16 nM) and a potent dopamine D2 receptor antagonist(Ki= 1.4 nM).</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>
Ro 10-5824 dihydrochloride  
**Cat. No.: HY-101384A**

**Bioactivity:** Ro 10-5824 dihydrochloride is a selective dopamine D4 receptor partial agonist, with $K_i$ of 5.2 nM.

**Purity:** 98.99%

**Clinical Data:** No Development Reported

**Size:** 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg

---

Ropinirole hydrochloride (SKF 101468 hydrochloride)  
**Cat. No.: HY-80623A**

**Bioactivity:** Ropinirole hydrochloride (SKF 101468 hydrochloride) a selective dopamine D2 receptor inhibitor with $IC_{50}$ of 29 nM.

**Purity:** 99.93%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg

---

Rotigotine  
**(N-0437; N-0923)**  
**Cat. No.: HY-75502**

**Bioactivity:** Rotigotine is a full agonist of dopamine receptor, a partial agonist of the 5-HT1A receptor, and an antagonist of the $\alpha_2B$-adrenergic receptor, with $K_i$ of 0.71nM, 4-15nM, and 83nM for the dopamine D3 receptor and D2, D5, D4 receptors, and dopamine D1 receptor.

**Purity:** 99.98%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

---

Rotigotine D7 Hydrochloride  
**(N-0923 D7 Hydrochloride)**  
**Cat. No.: HY-A0007S**

**Bioactivity:** Rotigotine D7 Hydrochloride is the deuterium labeled Rotigotine (N-0923), which is a dopamine D2 and D3 receptor agonist.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 1 mg, 5 mg, 10 mg

---

Rotundine  
**(−)-Tetrahydropalmatine; L-Tetrahydropalmatine)**  
**Cat. No.: HY-N0096**

**Bioactivity:** Rotundine is an antagonist of dopamine D1, D2 and D3 receptors with $IC_{50}$ of 166 nM, 1.4 $\mu$M and 3.3 $\mu$M, respectively. Rotundine is also an antagonist of 5-HT1A with an $IC_{50}$ of 370 nM.

**Purity:** 99.88%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 50 mg

---

SB-277011  
**(SB-277011A)**  
**Cat. No.: HY-10847**

**Bioactivity:** SB-277011 is a potent and selective dopamine D3 receptor antagonist ($pK_i$ values are 8.0, 6.0, 5.0 and <5.2 for D3, D2, 5-HT1D and 5-HT1B respectively), brain penetrant.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 10 mg, 50 mg

---

SB-269652  
**Cat. No.: HY-12324**

**Bioactivity:** SB269652 is the first drug-like allosteric modulator of the dopamine D2 receptor (D2R); a new chemical probe that can differentiate D2R monomers from dimers or oligomers depending on the observed pharmacology.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 5 mg, 10 mg, 50 mg, 100 mg

---

SCH 23390 hydrochloride  
**(R- (+)-SCH23390 hydrochloride)**  
**Cat. No.: HY-19545A**

**Bioactivity:** SCH 23390 hydrochloride is a potent dopamine receptor D1 antagonist with $K_i$ values of 0.2 and 0.3 nM for the D1 and D5.

**Purity:** 99.31%

**Clinical Data:** No Development Reported

**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

---

Sertindole  
**(Lu 23-174)**  
**Cat. No.: HY-14543**

**Bioactivity:** Sertindole, a neuroleptic, is one of the newer antipsychotic medications available. Target: Multi-target In vitro studies showed that sertindole exerts a potent antagonism at serotonin 5-HT2A, 5-HT2C, dopamine D2, and $\alpha_1$ adrenergic receptors. Sertindole offers an alternative treatment option for...

**Purity:** 96.14%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg
SKF 38393 hydrochloride
((±)-SKF-38393 hydrochloride; SKF-38393A)
Cat. No.: HY-12520A

**Bioactivity:** SKF 38393 hydrochloride is a selective agonist of the dopamine D1 receptor (D1DR) with an EC50 of 110 nM [1].

**Purity:** >98%
**Clinical Data:** No Development Reported
**Size:** 50 mg, 100 mg, 200 mg, 500 mg

---

SKF-82958 hydrobromide
((±)-SKF 82958 hydrobromide; Chloro-AP hydrobromide)
Cat. No.: HY-10435A

**Bioactivity:** SKF-82958 hydrobromide is a D1/D5 receptor full agonist. IC50 value: Target: D1/D5 receptor in vitro: Neuropeptide and immediate early gene expression in striatonigral neurons of the normosensitive striatum is induced by mixed D1 receptor SKF-82958, which induces behavioral activity and...

**Purity:** 99.95%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

---

ST-836 hydrochloride
Cat. No.: HY-15238A

**Bioactivity:** ST-836 HCl is a dopamine receptor ligand; Antiparkinsonian agent.

**Purity:** 98.01%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

---

Sulpiride
Cat. No.: HY-B1019

**Bioactivity:** Sulpiride is a D2 receptor antagonist, an atypical antipsychotic drug of the benzamide class, used mainly in the treatment of psychosis associated with schizophrenia and major depressive disorder, and sometimes used in low dosage to treat anxiety and mild depression.

**Purity:** 99.99%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 100 mg

---

Sultopride
(LIN-1418)
Cat. No.: HY-42849

**Bioactivity:** Sultopride hydrochloride is a selective antagonist of dopamine D2 receptor.

**Purity:** >98%
**Clinical Data:** No Development Reported
**Size:** 5 mg, 10 mg, 25 mg, 50 mg

---

Sultopride hydrochloride
(LIN-1418 hydrochloride)
Cat. No.: HY-42849A

**Bioactivity:** Sultopride hydrochloride is a selective antagonist of dopamine D2 receptor.

**Purity:** 99.96%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg

---

Sumanirole maleate
(U-95666E; PNU-95666)
Cat. No.: HY-70081A

**Bioactivity:** Sumanirole maleate(PNU 95666E; U95666E) is a highly selective D2 receptor full agonist with an ED50 of about 46 nM. IC50 value: 46 nM (EC50) Target: D2 receptor Sumanirole was developed for the treatment of Parkinson’s disease and restless leg syndrome. While it has never been approved for...

**Purity:** 98.0%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 25 mg, 50 mg, 100 mg

---

Talipexole
(B-HT 920)
Cat. No.: HY-A0040

**Bioactivity:** Talipexole (B-HT920) is a dopamine agonist that has been proposed as an antiparkinsonian agent. Target: Dopamine Receptor B-HT920 is a selective alpha 2-adrenoceptor agonist. The effects of B-HT920 have been specified using the alpha-adrenergic antagonists yohimbine and prazosin and the...

**Purity:** >98%
**Clinical Data:** Launched
**Size:** 5 mg, 10 mg, 50 mg, 100 mg

---

www.MedChemExpress.com
<table>
<thead>
<tr>
<th>Compound</th>
<th>Cat. No.</th>
<th>Bioactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talipexole dihydrochloride</td>
<td>HY-A0008</td>
<td>Talipexole dihydrochloride (B-HT 920 dihydrochloride) is a dopamine D2 receptor agonist, α2-adrenoceptor agonist and 5-HT3 receptor antagonist, which displays antiParkinsonian activity.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.99%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: Launched</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Tetrahydroberberine</td>
<td>HY-N0925</td>
<td>Tetrahydroberberine is an isoquinoline alkaloid isolated from corydalis tuber; has micromolar affinity for dopamine D(2) (pK(i) = 6.08) and 5-HT(1A) (pK(i) = 5.38) receptors but moderate to no affinity for other relevant serotonin receptors (5-HT(1B), 5-HT(1D), 5-HT(3), and 5-HT(4); pK(i) &lt; 5.00).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.70%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: No Development Reported</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 5 mg, 10 mg</td>
</tr>
<tr>
<td>Tetrahydropalmatine</td>
<td>HY-N0300</td>
<td>Tetrahydropalmatine, an active component isolated from corydalis, acts through inhibition of amygdaloid release of dopamine to inhibit an epileptic attack in rats.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.07%</td>
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<tr>
<td></td>
<td></td>
<td>Clinical Data: No Development Reported</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg</td>
</tr>
<tr>
<td>Tiapride hydrochloride</td>
<td>HY-B1196</td>
<td>Tiapride hydrochloride is a drug that selectively blocks D2 and D3 dopamine receptors in the brain. It is used to treat a variety of neurological and psychiatric disorders including dyskinesia, alcohol withdrawal syndrome.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.82%</td>
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<tr>
<td></td>
<td></td>
<td>Clinical Data: Launched</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 100 mg</td>
</tr>
<tr>
<td>Trifluoperazine dihydrochloride</td>
<td>HY-B0532A</td>
<td>Trifluoperazine Dihydrochloride is a potent dopamine D2 receptor inhibitor used as an antipsychotic and an antiemetic. Trifluoperazine inhibited in...</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.0%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: Launched</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 100 mg, 500 mg</td>
</tr>
<tr>
<td>Trimethobenzamide hydrochloride</td>
<td>HY-12751A</td>
<td>Trimethobenzamide hydrochloride is a blocker of the D2 receptor. Trimethobenzamide is an antiemetic used to prevent nausea and vomiting.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.70%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: Launched</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 100 mg, 200 mg, 500 mg</td>
</tr>
<tr>
<td>U91356</td>
<td>HY-U00227</td>
<td>U91356 is a dopamine receptor agonist.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: &gt;98%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: No Development Reported</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
<tr>
<td>Veralipride</td>
<td>HY-101797</td>
<td>Veralipride is a D2 receptor antagonist. It is an alternative antidopaminergic treatment for menopausal symptoms.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: 99.12%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Clinical Data: No Development Reported</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Compound</td>
<td>Cat. No.</td>
<td>Bioactivity</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>----------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Ziprasidone (CP-88059)</strong></td>
<td>HY-14542</td>
<td>Ziprasidone (CP-88059) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.</td>
</tr>
<tr>
<td><strong>Ziprasidone D8 (CP-88059 D8)</strong></td>
<td>HY-14542S</td>
<td>Ziprasidone D8 is deuterium labeled Ziprasidone, which is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.</td>
</tr>
<tr>
<td><strong>Ziprasidone hydrochloride (CP-88059 hydrochloride)</strong></td>
<td>HY-14542A</td>
<td>Ziprasidone HCl (CP-88059 HCl) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.</td>
</tr>
<tr>
<td><strong>Ziprasidone hydrochloride monohydrate (CP 88059 (hydrochloride monohydrate))</strong></td>
<td>HY-17407</td>
<td>Ziprasidone hydrochloride monohydrate (CP 88059 hydrochloride monohydrate) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity. Target: 5-HT receptor; Dopamine receptor Ziprasidone hydrochloride monohydrate is the salt...</td>
</tr>
<tr>
<td><strong>Zuclopenthixol (Z)-Clopenthixol</strong></td>
<td>HY-A0163</td>
<td>Zuclopenthixol is a thioxanthene derivative which acts as a mixed dopamine D1/D2 receptor antagonist.</td>
</tr>
</tbody>
</table>