Dopamine Receptor

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

**(+)-Dihydrexidine hydrochloride**  
(DAR-0100 hydrochloride)  
Cat. No.: HY-101299

**Bioactivity:** (+)-Dihydrexidine hydrochloride is a dopamine D1 receptor agonist with an EC50 of 72 ± 21 nM.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>250 mg, 500 mg</td>
</tr>
</tbody>
</table>

**(+)-PD 128907 hydrochloride**  
Cat. No.: HY-110000

**Bioactivity:** (+)-PD 128907 hydrochloride is a selective dopamine D2/D3 receptor agonist, with Kd of 1.7, 0.84 nM for human and rat D3 receptors, 179, 770 nM for human and rat D2 receptors, respectively.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>98.83%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg</td>
</tr>
</tbody>
</table>

**(-)-Methotrimeprazine (D6)**  
(dl-Methotrimeprazine D6)  
Cat. No.: HY-19489S

**Bioactivity:** (-)-Methotrimeprazine (D6) is the deuterium labeled Methotrimeprazine, which is a D3 dopamine and Histamine H1 receptor antagonist.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>1 mg</td>
</tr>
</tbody>
</table>

**5-HT6/7 antagonist 1**  
Cat. No.: HY-101622

**Bioactivity:** 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.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>250 mg, 500 mg</td>
</tr>
</tbody>
</table>

**A-437203**  
(Lu201640, A37203)  
Cat. No.: HY-U00185

**Bioactivity:** A-437203 is a selective D3 receptor antagonist with Kd of 71, 16, and 6220 nM for D2, D3, and D4 receptors, respectively.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>1 mg</td>
</tr>
</tbody>
</table>

**Abaperidone**  
Cat. No.: HY-101619

**Bioactivity:** Abaperidone is a potent antagonist of 5-HT2A receptor and dopamine D2 receptor with IC50 of 6.2 and 17 nM.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
</tbody>
</table>

**ABT-670**  
(SLVS13)  
Cat. No.: HY-19483

**Bioactivity:** ABT-670 is a selective, oral bioavailable agonist of dopamine D4 receptor, with EC50 of 89 nM, 160 nM, and 93 nM for humanD4, ferretD4, and ratD4 respectively.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>&gt;98%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
</tbody>
</table>

**Adoprazine**  
(Cat. No.: HY-14782

**Bioactivity:** Adoprazine, a potential atypical antipsychotic bearing potent D2 receptor antagonist and 5-HT1A receptor agonist properties.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>98.13%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>Phase 1</td>
</tr>
<tr>
<td>Size:</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg</td>
</tr>
</tbody>
</table>

**Alizapride hydrochloride**  
Cat. No.: HY-A0125A

**Bioactivity:** 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.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>99.95%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>No Development Reported</td>
</tr>
<tr>
<td>Size:</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 D2/D3 receptor antagonist with Kd of 2.8 and 3.2 nM for human dopamine D2 and D3 respectively.

<table>
<thead>
<tr>
<th>Purity:</th>
<th>98.0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical Data:</td>
<td>Launched</td>
</tr>
<tr>
<td>Size:</td>
<td>100 mg, 200 mg, 500 mg</td>
</tr>
</tbody>
</table>

---

Tel: 609-228-6898  Fax: 609-228-5909  Email: sales@MedChemExpress.com
Amisulpride hydrochloride

**Bioactivity:** Amisulpride hydrochloride is a dopamine D2/D3 receptor antagonist with Kᵦ₃ values of 2.8 and 3.2 nM for human dopamine D₂ and D₃, respectively.

| Purity: >98% |
| Clinical Data: Launched |
| Size: 100 mg, 200 mg, 500 mg |

Amitifadine hydrochloride (DOV-21947 hydrochloride; EB-1010 hydrochloride)

**Bioactivity:** Amitifadine hydrochloride is a serotonin-norepinephrine-dopamine reuptake inhibitor (SNDRI), with IC₅₀ of 12, 23, 96 nM for serotonin, norepinephrine and dopamine in HEK 293 cells, respectively.

| Purity: 99.92% |
| Clinical Data: Phase 3 |
| Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg |

Asenapine hydrochloride

**Bioactivity:** Asenapine maleate, an antipsychotic, is a 5-HT (3A, 1B, 2A, 2B, 2C, 5A, 6, 7) and Dopamine (D₂, D₃, D₄) receptor antagonist with Ki 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)

**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

**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 |

Bionanserin (AD-5423)

**Bioactivity:** Bionanserin (AD-5423) is a D₂/5-HT₂ receptor antagonist, atypical antipsychotic. Target: D₂ receptor; 5-HT₂ receptor Bionanserin (AD-5423) is a relatively new atypical antipsychotic for the treatment of schizophrenia. Bionanserin belongs to a series of 4-phenyl-2-(1-piperazinyl)pyridines and...

| Purity: 99.77% |
| Clinical Data: Launched |
| Size: 10mM x 1mL in DMSO, 100 mg, 500 mg |

BP 897

**Bioactivity:** BP 897 is a potent and selective dopamine D₃ receptor agonist, and a weak dopamine D₂ receptor antagonist, with Kᵦ₃ of 0.92 nM and 61 nM for D₃ and D₂ receptors, and shows low affinities at D₁ and D₄ receptors (Kᵦ₃ 3 and 0.3...)

| Purity: >98% |
| Clinical Data: No Development Reported |
| Size: 250 mg, 500 mg |

Brexpiprazole (OPC-34712)

**Bioactivity:** Brexpiprazole is a partial agonist of human 5-HT₁A and dopamine receptor with Kᵦ₃ of 0.12 nM and 0.3 nM, respectively. Brexpiprazole is also a 5-HT₉A receptor antagonist with a Kᵦ₃ 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)

**Bioactivity:** Bromocriptine mesylate is a potent dopamine D₂/D₃ receptor agonist, which binds D₂ dopamine receptor with pKᵦ₃ of 8.05±0.2.

| Purity: 99.98% |
| Clinical Data: Launched |
| Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg |

Bromopride

**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 |
Cabergoline (FCE-21336)  Cat. No.: HY-15296

Bioactivity: Cabergoline is an ergot derived-dopamine D₂-like receptor agonist that has high affinity for D₂, D₃, and 5-HT₂B receptors (Kᵢ=0.7, 1.5, and 1.2, respectively).

Purity: 99.47%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

Cariprazine (RGH-188)  Cat. No.: HY-14763

Bioactivity: 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).

Purity: 98.01%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Cariprazine hydrochloride (RGH188 hydrochloride)  Cat. No.: HY-14763A

Bioactivity: 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).

Purity: 99.89%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Chlorpromazine D6 hydrochloride  Cat. No.: HY-B0407A

Bioactivity: Chlorpromazine D6 hydrochloride is the deuterium labeled Chlorpromazine. Chlorpromazine is an inhibitor of dopamine receptor, 5-HT receptor, potassium channel, sodium channel.

Purity: 99.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg, 50 mg

Chlorpromazine hydrochloride  Cat. No.: HY-B0407A

Bioactivity: 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.

Purity: 99.83%
Clinical Data: Launched
Size: 1 g, 5 g

Chlorprothixene  Cat. No.: HY-B0274

Bioactivity: 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.

Purity: 99.52%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg, 500 mg

Clebopride malate  Cat. No.: HY-B1613A

Bioactivity: Clebopride malate is a dopamine antagonist drug with antiemetic and prokinetic properties used to treat functional gastrointestinal disorders.

Purity: 99.46%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Clocapramine (Clocarpramine; 3-Chlorocarpipramine)  Cat. No.: HY-B2073

Bioactivity: Clocapramine is an antagonist of the D₂, 5-HT₂A receptors.

Purity: >98%
Clinical Data: Launched
Size: 1 mg

Clocapramine hydrochloride hydrate (3-Chlorocarpipramine hydrochloride hydrate)  Cat. No.: HY-B2073A

Bioactivity: Clocapramine hydrochloride hydrate is an antagonist of the D₂ and 5-HT₂A receptors.

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

**Bioactivity:** Clomipramine HCl is a serotonin transporter (SERT), norepinephrine transporter (NET) dopamine transporter (DAT) blocker with $K_i$ of 0.14, 54 and 3 nM, respectively. Target: 5-HT Receptor Clomipramine hydrochloride (Anafranil) is a hydrochloride salt of clomipramine which is a serotonin reuptake inhibitor (SRI).

**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 $K_i$ of 9.5 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 (KNS-760704; SND 919CL2X)

**Bioactivity:** Dexpramipexole 2HCl(KNS-760704), also known as R(+)-Pramipexole, is a neuroprotective agent and weak non-ergoline dopamine agonist.

**Purity:** 98.01%

**Clinical Data:** Phase 3

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

---

Domperidone (R33812)

**Bioactivity:** Domperidone is a dopamine blocker and an antidopaminergic reagent.

**Purity:** 99.52%

**Clinical Data:** Launched

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

---

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 role in the neural control of behavior.

**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 $K_i$ of 200, 2500, 420, 39, 84, 40 nM for dopamine D1, D2,D4, and serotonin S2A, S2C, S3, respectively.

**Purity:** 99.79%

**Clinical Data:** No Development Reported

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

---

Droperidol (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)

**Bioactivity:** Fenoldopam(SKF 82526) mesylate is a drug and synthetic benzazepine derivative which acts as a selective D1 receptor partial agonist.

**Purity:** 99.85%

**Clinical Data:** Launched

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

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<table>
<thead>
<tr>
<th><strong>Fluphenazine dihydrochloride</strong></th>
<th><strong>Cat. No.: HY-A0081</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>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>
<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>100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>GSK598809</strong></th>
<th><strong>Cat. No.: HY-19654</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>GSK598809 is a potent and selective dopamine D3 Receptor (DRD3) antagonist, with a pKᵢ of 8.9.</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, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Haloperidol</strong></th>
<th><strong>Cat. No.: HY-14538</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Haloperidol is a potent dopamine D2 receptor antagonist, widely used as an antipsychotic.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.72%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
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<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>Haloperidol D4</strong></th>
<th><strong>Cat. No.: HY-14538S</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Haloperidol D4 is deuterium labeled haloperidol, and the latter is a potent dopamine D2 receptor antagonist.</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>1 mg, 5 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Haloperidol D4’</strong></th>
<th><strong>Cat. No.: HY-14538S1</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Haloperidol D4’ is deuterium labeled haloperidol, and the latter is a potent dopamine D2 receptor antagonist.</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>1 mg</td>
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</table>

<table>
<thead>
<tr>
<th><strong>Haloperidol hydrochloride</strong></th>
<th><strong>Cat. No.: HY-14538A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Haloperidol hydrochloride is a potent dopamine D2 receptor antagonist, widely used as an antipsychotic.</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>100 mg, 500 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Iloperidone (HP 873)</strong></th>
<th><strong>Cat. No.: HY-17410</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Iloperidone (HP 873) is a D2/5-HT2 receptor antagonist, which is an atypical antipsychotic for the treatment of schizophrenia symptoms.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.93%</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>Iloperidone hydrochloride</strong></th>
<th><strong>Cat. No.: HY-17410A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Iloperidone (hydrochloride) is a D(2)/5-HT(2) receptor antagonist, which is an atypical antipsychotic for the treatment of schizophrenia symptoms.</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>L-DOPA (Levodopa; 3,4-Dihydroxyphenylalanine)</strong></th>
<th><strong>Cat. No.: HY-N0304</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>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 D1, D2, and D3. L-DOPA (L-3,4-dihydroxyphenylalanine) is a chemical that is made and used as part of the normal biology of humans, some...</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>200 mg, 1 g</td>
</tr>
</tbody>
</table>
Levosulpiride (RV-12309; S-(−)-Sulpiride)  
Cat. No.: HY-81059

Bioactivity: Levosulpiride (RV-12309) is the (S)-enantiomer of sulpiride, which is a D2 receptor 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-B0032A

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-HT₁₄ 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-B0032

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...

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.

Purity: 98.23%
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 antiemetic.

Purity: 99.94%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Molindone hydrochloride (EN-1733A)  
Cat. No.: HY-81017

Bioactivity: Molindone is a therapeutic antipsychotic, used in the treatment of schizophrenia, works by blocking the effects of dopamine in the brain, leading to diminished psychoses.

Purity: 99.92%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

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

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

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

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

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

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-HT₁₄ receptor with an IC₅₀ of 6.75 nM.

Purity: 99.33%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg

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...

Purity: 99.87%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

Bioactivity: Metoclopramide is a dopamine D2 antagonist that is used as an antiemetic.

Purity: 98.23%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Bioactivity: Metoclopramide hydrochloride hydrate is a dopamine D₂ antagonist that is used as an antiemetic.

Purity: 99.94%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Bioactivity: Molindone is a therapeutic antipsychotic, used in the treatment of schizophrenia, works by blocking the effects of dopamine in the brain, leading to diminished psychoses.

Purity: 99.92%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

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

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: 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 25 mg
### Nomifensine

**Cat. No.: HY-B1110**

**Bioactivity:** Nomifensine is a norepinephrine-dopamine reuptake inhibitor, increases the amount of synaptic norepinephrine and dopamine available to receptors by blocking the dopamine and norepinephrine reuptake transporters.

**Purity:** 99.24%

**Clinical Data:** No Development Reported

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

---

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

---

### NRA-0160

**Cat. No.: HY-101641**

**Bioactivity:** NRA-0160 is a selective dopamine D4 receptor antagonist, with a $K_i$ value of 0.48 nM and with negligible affinity for dopamine D2 receptor ($K_i > 10000$ nM), D3 receptor ($K_i = 39$ nM), rat 5-HT2A receptor ($K_i = 180$ nM) and rat 5-HT3 receptor.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

---

### Nuciferine

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

**Bioactivity:** Nuciferine is an antagonist at 5-HT$_2A$ ($IC_{50} = 478$ nM), 5-HT$_2C$ ($IC_{50} = 131$ nM), and 5-HT$_3$ ($IC_{50} = 1$ μM), an inverse agonist at 5-HT$_7$ ($IC_{50} = 150$ nM), a partial agonist at D$_2$ ($EC_{50} = 64$ nM), D$_5$ ($EC_{50} = 2.6$ μM) and 5-HT$_6$ ($EC_{50} = ...$

**Purity:** 99.66%

**Clinical Data:** No Development Reported

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

---

### Ocaperidone

**Cat. No.: HY-101094**

**Bioactivity:** Ocaperidone is an effective antipsychotic agent, acting as a potent 5-HT$_2$ and dopamine D$_2$ antagonist, and a 5-HT$_1A$ agonist, with $K_i$ of 0.14 nM, 0.46 nM, 0.75 nM, 1.6 nM and 5.4 nM for 5-HT$_2$, a $\alpha_1$-adrenergic receptor, dopamine D$_2$

**Purity:** 98.55%

**Clinical Data:** No Development Reported

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

---

### Oxidopamine hydrobromide

**Cat. No.: HY-B1081A**

**Bioactivity:** Oxidopamine (hydrobromide), an antagonist of the neurotransmitter dopamine, is a widely used neurotoxin that selectively destroys dopaminergic neurons.

**Purity:** 98.0%

**Clinical Data:** No Development Reported

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

---

### Oxidopamine hydrochloride

**Cat. No.: HY-B1081**

**Bioactivity:** Oxidopamine hydrochloride is a neurotoxic synthetic organic compound, selectively destroys dopaminergic and noradrenergic neurons in the brain.

**Purity:** 98.0%

**Clinical Data:** No Development Reported

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

---

### Paliperidone

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

---

### Pardoprunox

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

**Bioactivity:** Pardoprunox (SLV-308; DU-126891) is a novel partial dopamine D2 and D3 receptor agonist and serotonin 5-HT1A receptor agonist; D2 ($pK_i = 8.1$) and D3 receptor ($pK_i = 8.6$) partial agonist (IA = 50% and 67%, respectively) and 5-HT1A receptor ($pK_i = 8.5$) full agonist (IA = 100%); also binds to D4 ($pK_i = 7.8$, ...

**Purity:** >98%

**Clinical Data:** Phase 3

**Size:** 5 mg, 10 mg, 50 mg, 100 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: 98.99%
Clinical Data: Phase 3
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

---

PD-168077 maleate

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

Purity: 98.44%
Clinical Data: No Development Reported
Size: 10mM x 1mL 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

---

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: 99.31%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 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 K_i values of 5.6, 10, 0.765/0.13, 3.4, and 8 ...

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g

---

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 EC_{50} of 21 nM.

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

---

Pimozide
(R6238)  
Cat. No.: HY-12987

Bioactivity: Pimozide is a dopamine receptor antagonist, with K_i 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 K_i of 39 nM; Pimozide also inhib...

Purity: 99.88%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 50 mg

---

Piperidine-MO-1

Cat. No.: HY-19845A

Bioactivity: Piperidine-MO-1 is a modulator of dopamine receptor extracted from patent WO/2005/121087A1, compound example 2; exhibits an ED_{50} 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

---

Piribedil

Cat. No.: HY-12707

Bioactivity: Piribedil is a dopamine D2 receptor (D_2R) agonist which also displays antagonist property at α1A-adrenoceptor (α1A-AR).

Purity: 99.90%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg
<table>
<thead>
<tr>
<th>Compound</th>
<th>Cat. No.</th>
<th>Bioactivity</th>
<th>Purity:</th>
<th>Clinical Data:</th>
<th>Size:</th>
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<tbody>
<tr>
<td>Piribedil D8</td>
<td>HY-127075</td>
<td>Purity: &gt;98%</td>
<td></td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg</td>
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<tr>
<td></td>
<td></td>
<td>Clinical Data: No Development Reported</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 10 mg, 50 mg</td>
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</tr>
<tr>
<td>Pramipexole dihydrochloride</td>
<td>HY-17355</td>
<td>Bioactivity: Pramipexole 2Hcl is a partial/full D2S, D2L, D3, D4 receptor agonist with a Kp of 3.9, 2.2, 0.5 and 5.1 nM for D2S, D2L, D3, D4 receptor, respectively. IC50 Value: 3.9 nM(D2S); 2.2 nM(D2L); 0.5 nM(D3); 5.1 nM(D4). Target: Dopamine Receptor</td>
<td>98.0%</td>
<td>Launched</td>
<td>10mM x 1mL in Water, 10 mg, 50 mg</td>
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<tr>
<td></td>
<td></td>
<td>Purity: &gt;98%</td>
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<td></td>
<td>Clinical Data: Launched</td>
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<tr>
<td></td>
<td></td>
<td>Size: 10mM x 1mL in Water, 10 mg, 50 mg</td>
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<tr>
<td>Prochlorperazine D8</td>
<td>HY-808075</td>
<td>Bioactivity: Prochlorperazine D8 is the deuterium labeled Prochlorperazine, which is a dopamine (D2) receptor antagonist.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg</td>
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<tr>
<td></td>
<td></td>
<td>Purity: &gt;98%</td>
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<td>Clinical Data: No Development Reported</td>
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<td></td>
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<td>Size: 1 mg, 5 mg, 10 mg</td>
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<tr>
<td>Promazine hydrochloride</td>
<td>HY-81225</td>
<td>Bioactivity: Promazine (hydrochloride) is a D2 dopamine receptor antagonist, belongs to the phenothiazine class of antipsychotics, used to treat schizophrenia.</td>
<td>99.72%</td>
<td>Launched</td>
<td>10mM x 1mL in Water, 100 mg</td>
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<td></td>
<td></td>
<td>Purity: 99.72%</td>
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<td>Clinical Data: Launched</td>
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<td>Size: 10mM x 1mL in Water, 100 mg</td>
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<tr>
<td>Quetiapine fumarate</td>
<td>HY-80031</td>
<td>Bioactivity: Quetiapine fumarate is an atypical antipsychotic used in the treatment of schizophrenia, bipolar I mania, bipolar II depression, bipolar I depression.</td>
<td>99.54</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 1 g, 5 g</td>
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<tr>
<td></td>
<td></td>
<td>Purity: 99.54</td>
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<td>Clinical Data: Launched</td>
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<td></td>
<td></td>
<td>Size: 10mM x 1mL in DMSO, 1 g, 5 g</td>
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<tr>
<td>Quinagolide hydrochloride</td>
<td>HY-13736A</td>
<td>Bioactivity: 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>
<td>&gt;98%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Purity: &gt;98%</td>
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<td>Clinical Data: Launched</td>
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<tr>
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<td></td>
<td>Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg</td>
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</tr>
</tbody>
</table>
**Quinpirole Hydrochloride**

**Cat. No.: HY-B1752A**

**Bioactivity:** Quinpirole (Hydrochloride) is a high-affinity agonist of dopamine D2/D3 receptor.

**Purity:** 99.88%

**Clinical Data:** No Development Reported

**Size:** 250 mg, 500 mg

---

**rac-Rotigotine Hydrochloride**

**Cat. No.: HY-15394**

**Bioactivity:** rac-Rotigotine Hcl is a high potency and selectivity agonist for D-2 receptor with Ki of 0.69 nM.

**Purity:** 97.76%

**Clinical Data:** No Development Reported

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

---

**Risperidone**

**(R 64 766)**

**Cat. No.: HY-11018**

**Bioactivity:** 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.

**Purity:** 99.16%

**Clinical Data:** Launched

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

---

**Risperidone hydrochloride**

**(R 64 766 hydrochloride)**

**Cat. No.: HY-11018A**

**Bioactivity:** 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 receptor, respectively.

**Purity:** >98%

**Clinical Data:** Launched

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

---

**Risperidone mesylate**

**(R 64 766 mesylate)**

**Cat. No.: HY-11018B**

**Bioactivity:** Risperidone mesylate(R 64 766 mesylate) is a serotonin 5-HT2 receptor blocker(Ki= 0.16 nM) and a potent dopamine D2 receptor antagonist(Ki= 1.4 nM).

**Purity:** >98%

**Clinical Data:** Launched

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

---

**Ropinirole hydrochloride**

**(SKF 101468 hydrochloride)**

**Cat. No.: HY-B0623A**

**Bioactivity:** Ropinirole hydrochloride(SKF101468 hydrochloride) a selective dopamine D2 receptor inhibitor with IC50 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 a2B-adrenergic receptor, with Ki 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-A00075**

**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 IC50 of 166 nM, 1.4 μM and 3.3 μM, respectively. Rotundine is also an antagonist of 5-HT1A, with an IC50 of 370 nM.

**Purity:** 99.88%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 50 mg
### SB 277011A dihydrochloride

**Bioactivity:**
SB 277011A dihydrochloride is a potent, selective, orally bioavailable and brain penetrate dopamine D₃ receptor antagonist, with pKᵢ₃ values of 8.0, 6.0, <5.2 and 5.9 for D₃, D₂, 5-HT₁B, and 5-HT₁D receptors, respectively.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 250 mg, 500 mg

---

### SB-277011 (SB-277011A)

**Bioactivity:**
SB-277011 is a potent and selective dopamine D3 receptor antagonist (pKi 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:** 5 mg, 10 mg

---

### SB269652

**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)

**Bioactivity:**
SCH 23390 hydrochloride is a potent dopamine receptor D1 antagonist with Kᵢ 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)

**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 α₁ 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)

**Bioactivity:**
SKF 38393 hydrochloride is a D₁ agonist with IC₅₀ of 110 nM. IC₅₀ value: 110 nM [1] Target: D1 receptor in vitro, SKF 38393 hydrochloride is a benzazepine selective agonist of the D1DR (dopamine D1 receptor). Agonism of the D1DR by SKF 38393 is correlated to induced desynchronization of...

**Purity:** 99.49%

**Clinical Data:** No Development Reported

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

---

### ST-836

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

**Purity:** >98%

**Clinical Data:** No Development Reported

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

---

### ST-836 hydrochloride

**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

---
<table>
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<th><strong>Sulpiride</strong></th>
<th><strong>Cat. No.: HY-81019</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.99%</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, 100 mg</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sultopride</strong> (LIN-1418)</th>
<th><strong>Cat. No.: HY-42849</strong></th>
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</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Sulpiride is a selective antagonist of dopamine D2 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>5 mg, 10 mg, 25 mg, 50 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sultopride hydrochloride</strong> (LIN-1418 hydrochloride)</th>
<th><strong>Cat. No.: HY-42849A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Sultopride hydrochloride is a selective antagonist of dopamine D2 receptor.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.96%</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>Sumanirole maleate</strong> (U-95666; PNU-95666)</th>
<th><strong>Cat. No.: HY-70081A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Sumanirole maleate(PNU 95666E, U95666E) is a highly selective D2 receptor full agonist with an EC50 of about 46 nM. ICS50 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...</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>10mM x 1mL in DMSO, 5 mg, 25 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Talipexole</strong> (B-HT 920)</th>
<th><strong>Cat. No.: HY-A0040</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>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...</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>5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Talipexole dihydrochloride</strong> (B-HT 920)</th>
<th><strong>Cat. No.: HY-A0008</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Talipexole dihydrochloride (B-HT 920) is a dopamine D2 receptor agonist, α2-adrenoceptor agonist and 5-HT3 receptor antagonist, which displays antiParkinsonian activity.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.99%</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, 25 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tetrahydroberberine</strong> (Canadine)</th>
<th><strong>Cat. No.: HY-N0925</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></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) = 5.00).</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.70%</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</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tetrahydropalmatine</strong> (DL-Tetrahydropalmatine)</th>
<th><strong>Cat. No.: HY-N0300</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></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><strong>Purity:</strong></td>
<td>99.07%</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</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Thioridazine hydrochloride</strong></th>
<th><strong>Cat. No.: HY-80965</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Thioridazine is an antipsychotic drug, used in the treatment of schizophrenia and psychosis, shows D4 selectivity or serotonin antagonism.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.93%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 4</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 100 mg, 500 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tiapride hydrochloride</strong></th>
<th><strong>Cat. No.: HY-B1196</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></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><strong>Purity:</strong></td>
<td>99.82%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>100 mg</td>
</tr>
</tbody>
</table>
Trifluoperazine dihydrochloride (TFP; SKF5019)  
Cat. No.: HY-B0532A

Bioactivity: Trifluoperazine Dihydrochloride is a potent dopamine D2 receptor inhibitor used as an antipsychotic and an antiemetic.

Purity: 99.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

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Trifluromazine hydrochloride  
Cat. No.: HY-B0909

Bioactivity: Trifluromazine hydrochloride is an antipsychotic medication, which are Dopamine D1/D2 receptor antagonists.

Purity: 99.94%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg

---

Trimethobenzamide hydrochloride
(Ro 2-9578)  
Cat. No.: HY-12751A

Bioactivity: Trimethobenzamide hydrochloride is a blocker of the D2 receptor. Trimethobenzamide is an antiemetic used to prevent nausea and vomiting.

Purity: 99.70%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 200 mg, 500 mg

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U91356  
Cat. No.: HY-U00227

Bioactivity: U91356 is a dopamine receptor agonist.

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

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Veralipride
((±)-Veralipride; LIR166)  
Cat. No.: HY-101797

Bioactivity: Veralipride is a D2 receptor antagonist. It is an alternative antidopaminergic treatment for menopausal symptoms.

Purity: 99.12%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg

---

Ziprasidone (CP-88059)  
Cat. No.: HY-14542

Bioactivity: Ziprasidone(CP88059) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.

Purity: 98.69%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

---

Ziprasidone D8 (CP-88059 DB)  
Cat. No.: HY-14542S

Bioactivity: Ziprasidone D8 is deuterium labeled Ziprasidone, which is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.

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

---

Ziprasidone hydrochloride (CP-88059 hydrochloride)  
Cat. No.: HY-14542A

Bioactivity: Ziprasidone Hcl(CP-88059 Hcl) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.

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

---

Ziprasidone hydrochloride monohydrate (CP 88059)  
Cat. No.: HY-17407

Bioactivity: Ziprasidone(CP88059) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.

Purity: 98.29%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

---

Zuclopenthixol ((Z)-Clopenthixol)  
Cat. No.: HY-A0163

Bioactivity: Zuclopenthixol is a thioxanthene derivative which acts as a mixed dopamine D1/D2 receptor antagonist.

Purity: 98.80%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 50 mg