5-HT receptors (Serotonin receptors) are a group of G protein-coupled receptors (GPCRs) and ligand-gated ion channels (LGICs) found in the central and peripheral nervous systems. Type: 5-HT1, 5-HT2, 5-HT3, 5-HT4, 5-HT5, 5-HT6, 5-HT7. They mediate both excitatory and inhibitory neurotransmission. The serotonin receptors are activated by the neurotransmitter serotonin, which acts as their natural ligand. The serotonin receptors modulate the release of many neurotransmitters, including glutamate, GABA, dopamine, epinephrine / norepinephrine, and acetylcholine, as well as many hormones, including oxytocin, prolactin, vasopressin, cortisol, corticotropin, and substance P, among others. The serotonin receptors influence various biological and neurological processes such as aggression, anxiety, appetite, cognition, learning, memory, mood, nausea, sleep, and thermoregulation. The serotonin receptors are the target of a variety of pharmaceutical drugs, including many antidepressants, antipsychotics, anorectics, antiemetics, gastroprokinetic agents, antimigraine agents, hallucinogens, and entactogens.
5-HT Receptor Inhibitors & Modulators

### Abaperidone

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

**Bioactivity:** Abaperidone is a potent antagonist of 5-HT<sub>2A</sub> receptor and dopamine D<sub>2</sub> receptor with IC<sub>50</sub> of 6.2 and 17 nM.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

### Adoprazine (SLV313)

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

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

**Purity:** 98.49%

**Clinical Data:** Phase 1

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

### Agomelatine

**Cat. No.: HY-17038**

**Bioactivity:** Agomelatine is a competitive antagonist of human and porcine serotonin (5-HT2C) receptors (pKi = 6.2 and 6.4, respectively) as well as human 5-HT2B receptors (pKi = 6.6).

**Purity:** 99.71%

**Clinical Data:** Launched

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

### Agomelatine hydrochloride (S-20098 hydrochloride)

**Cat. No.: HY-17038A**

**Bioactivity:** Agomelatine hydrochloride is a antidepressant, which is classified as a norepinephrine-dopamine disinhibitor (NDDI) due to its antagonism of the 5-HT2C receptor.

**Purity:** >98%

**Clinical Data:** Launched

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

### Agomelatine L(+)-Tartaric acid (S-20098 L(+)-Tartaric acid)

**Cat. No.: HY-17038B**

**Bioactivity:** Agomelatine (L(+)-Tartaric acid) is a antidepressant, which is classified as a norepinephrine-dopamine disinhibitor (NDDI) due to its antagonism of the 5-HT2C receptor.

**Purity:** >98%

**Clinical Data:** Launched

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

### Almotriptan

**Cat. No.: HY-80383A**

**Bioactivity:** Almotriptan is a 5-HT1B/1D-receptor agonist used to treat migraine.

**Purity:** >98%

**Clinical Data:** Launched

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

### Almotriptan malate (PNU180638)

**Cat. No.: HY-80383**

**Bioactivity:** Almotriptan Malate is a 5-HT1B/1D-receptor agonist used to treat migraine.

**Purity:** 99.88%

**Clinical Data:** Launched

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

### Alniditan (Alniditan)

**Cat. No.: HY-101698**

**Bioactivity:** Alniditan is a potent 5-HT<sub>1B/1D</sub> receptors agonist, with IC<sub>50</sub> of 1.7 and 1.3 nM in HEK293 cells, and pK<sub>i</sub> value of 8.96 and 9.40 for 5-HT<sub>1B/1D</sub> receptors, respectively.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

### Alosetron

**Cat. No.: HY-70050A**

**Bioactivity:** Alosetron is a Serotonin 5HT3-receptor antagonist that is used in treatment of irritable bowel syndrome.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg

### Alosetron (Z)-2-butenedioate

**Cat. No.: HY-70050B**

**Bioactivity:** Alosetron is a Serotonin 5HT3-receptor antagonist that is used in treatment of irritable bowel syndrome.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg
Bioactivity:

Alosetron D3 Hcl is deuterium labeled Alosetron, which is a serotonin 5HT3-receptor antagonist.

Alosetron HCl is a Serotonin 5HT3-receptor antagonist that is used in treatment of irritable bowel syndrome.

Alosetron is a Serotonin 5HT3-receptor antagonist that is used in treatment of irritable bowel syndrome.

Bioactivity:

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**Asenapine hydrochloride**

**Cat. No.: HY-16567**

**Bioactivity:** Asenapine hydrochloride inhibits adrenergic receptor (α1, α2A, α2B, α2C) with Ki of 0.25-1.2 nM and also inhibits 5-HT receptor (1A, 1B, 2A, 2B, 2C, 5A, 6, 7) with Ki of 0.03-4.0 nM.

**Purity:** 99.60%

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

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**Asenapine maleate**

*(Org 5222 maleate)*

**Cat. No.: HY-11100**

**Bioactivity:** Asenapine maleate is a 5-HT (1A, 1B, 2A, 2B, 2C, 5A, 6, 7) and D2 antagonist with Ki values of 0.03-4.0 nM, 1.3nM, respectively, and an antipsychotic.

**Purity:** 98.23%

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

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**Azasetron hydrochloride**

*(Y-25130 hydrochloride)*

**Cat. No.: HY-80068**

**Bioactivity:** Azasetron HCl is a selective 5-HT3 receptor antagonist with IC50 of 0.33 nM used in the management of nausea and vomiting induced by cancer chemotherapy.

**Purity:** >98.0%

**Clinical Data:**
- Size: 10mM x 1mL in Water, 10 mg, 50 mg, 100 mg, 200 mg

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**B-HT 920**

*(Talipexole dihydrochloride)*

**Cat. No.: HY-A0008**

**Bioactivity:** B-HT 920(Talipexole 2Hcl) is a dopamine D2 receptor agonist, α2-adrenoceptor agonist and 5-HT3 receptor antagonist, which displays antiParkinsonian activity

**Purity:** 99.93%

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

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**Blonanserin**

*(AD-5423)*

**Cat. No.: HY-13575**

**Bioactivity:** Blonanserin(AD-5423) is a D2/5-HT2 receptor antagonist, atypical antipsychotic

**Purity:** 99.92%

**Clinical Data:**
- Size: 10 mg, 25 mg, 100 mg

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**Brexipiprazole**

*(OPC-34712)*

**Cat. No.: HY-15780**

**Bioactivity:** Brexipiprazole is a potent partial agonist at human 5-hydroxytryptamine (5-HT) 5-HT1A (Ki=0.12 nM) and dopamine D2L (Ki=0.3 nM) receptors, and an antagonist at 5-HT2A receptors (Ki=0.47 nM).

**Purity:** 99.38%

**Clinical Data:**
- Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

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**BRL 54443**

**Cat. No.: HY-13221**

**Bioactivity:** BRL 54443 is a potent 5-HT1E/1F receptor agonist (pKi values are 8.7 and 8.9 respectively); displays > 30-fold selectivity over other 5-HT and dopamine receptors.

**Purity:** 98.86%

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

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**BRL-15572 dihydrochloride**

*(BRL-15572)*

**Cat. No.: HY-13200**

**Bioactivity:** BRL-15572 2HCl is a 5-HT1D receptor antagonist with pKi of 7.9, also shows a considerable affinity at 5-HT1A and 5-HT2B receptors, exhibiting 60-fold selectivity over 5-HT1B receptor.

**Purity:** >98%

**Clinical Data:**
- Size: 5 mg, 10 mg, 50 mg

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**Bromperidol**

*(R-11333)*

**Cat. No.: HY-80901**

**Bioactivity:** Bromperidol is a butyrophenone derivative, is a potent and long-acting neuroleptic, used as an antipsychotic in the treatment of schizophrenia.

**Purity:** >98%

**Clinical Data:**
- Size: 50 mg, 100 mg

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**Buspirone hydrochloride**

**Cat. No.: HY-B1115**

**Bioactivity:** Buspirone hydrochloride is an anxiolytic psychotropic drug, is used to treat generalized anxiety disorder (GAD).

**Purity:** 99.88%

**Clinical Data:**
- Size: 10mM x 1mL in DMSO, 100 mg
Cariprazine (RGH-188)  
Cat. No.: HY-14763

Bioactivity: Cariprazine is a novel antipsychotic drug candidate that exhibits high affinity for the D3 (K_i = 0.085 nM) and D2 (K_i = 0.49 nM) receptors, and moderate affinity for the 5-HT1A receptor (K_i = 2.6 nM).

Purity: 99.76%
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 D3 (K_i = 0.085 nM) and D2 (K_i = 0.49 nM) receptors, and moderate affinity for the 5-HT1A receptor (K_i = 2.6 nM).

Purity: 99.82%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Chlorpromazine D6 hydrochloride  
Cat. No.: HY-80407A

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

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

Chlorpromazine hydrochloride  
Cat. No.: HY-80407A

Bioactivity: Chlorpromazine Hydrochloride is an antagonist of the dopamine D2 receptors, 5-HT2A receptors, potassium channel, sodium channel, with K_i of 363 nM and 8.3 nM for dopamine D2 receptor and serotonin 5-HT2A receptor, respectively.

Purity: 99.85%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 1 g, 5 g

Cisapride (R 51619; (+)-Cisaprid)  
Cat. No.: HY-14149

Bioactivity: Cisapride(R 51619) is a nonselective 5-HT4 receptor agonist, it is also a potent human ether-à-go-go-related gene (hERG) potassium channel inhibitor.

Purity: 99.61%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg, 200 mg

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

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

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

Clomipramine D3  
Cat. No.: HY-80457A

Bioactivity: Clomipramine D3 is the deuterium labeled Clomipramine, which is a highly selective inhibitor of serotonin reuptake.

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

Clomipramine hydrochloride  
Cat. No.: HY-80457

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.

Purity: 99.61%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Clozapine N-oxide  
Cat. No.: HY-17366

Bioactivity: Clozapine N-oxide is a pharmacologically inert metabolite of Clozapine, which is a potent 5-HT1C receptor antagonist. Clozapine N-oxide (CNO) is a DREADD (designer receptors exclusively activated by designer drug) agonist.

Purity: 99.98%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

CP-809101  
Cat. No.: HY-15543

Bioactivity: CP-809101 is a potent and selective 5-HT2C receptor agonist with pEC50 of 9.96/7.19/6.81 for human 5-HT2C/5-HT2B/5-HT2A receptors respectively.

Purity: >98%
Clinical Data: No Development Reported
Size: 10 mg, 50 mg
### CP-809101 hydrochloride

**Cat. No.: HY-15543A**

**Bioactivity:** CP-809101 Hcl is a potent and selective 5-HT2C receptor agonist with pEC50 of 9.96/7.19/6.81 for human 5-HT2C/5-HT2B/5-HT2A receptors respectively.

**Purity:** 99.09%

**Clinical Data:** No Development Reported

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

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### Cyclobenzaprine hydrochloride (MK130 hydrochloride)

**Cat. No.: HY-B0740**

**Bioactivity:** Cyclobenzaprine Hcl is a skeletal muscle relaxant and a central nervous system (CNS) depressant.

**Purity:** 99.90%

**Clinical Data:** Launched

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

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### Cyproheptadine hydrochloride

**Cat. No.: HY-B0366A**

**Bioactivity:** Cyproheptadine is a histamine receptor antagonist for 5-HT2 receptor with IC50 of 0.6 nM.

**Purity:** 99.87%

**Clinical Data:** Launched

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

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### Cyproheptadine hydrochloride sesquihydrate

**Cat. No.: HY-B1165**

**Bioactivity:** Cyproheptadine hydrochloride sesquihydrate is an antihistamine and is an antagonist of serotonin and histamine2.

**Purity:** 99.41%

**Clinical Data:** Launched

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

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### CYR-101 (MIN-101; MT-210)

**Cat. No.: HY-19469**

**Bioactivity:** CYR-101 (MIN-101; MT-210) is a compound with affinities for sigma-2 and 5-HT2A receptors and no direct dopamine affinities.

**Purity:** 98.26%

**Clinical Data:** No Development Reported

**Size:** 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg

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### Dihydroergotamine mesylate

**Cat. No.: HY-B0670A**

**Bioactivity:** Dihydroergotamine mesylate is an ergot alkaloid used to treat migraines.

**Purity:** >98%

**Clinical Data:** Launched

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

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### Dihydroergotamine mesylate (MDL-73147)

**Cat. No.: HY-B0750**

**Bioactivity:** Dihydroergotamine mesylate (MDL-73147) is a serotonin 5-HT3 receptor antagonist used to treat nausea and vomiting following chemotherapy

**Purity:** >98.0%

**Clinical Data:** Launched

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

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### Dolasetron (MDL-73147)

**Cat. No.: HY-101630**

**Bioactivity:** Dolasetron (MDL-73147) is a serotonin 5-HT3 receptor antagonist used to treat nausea and vomiting following chemotherapy.

**Purity:** >98%

**Clinical Data:** Launched

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

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### Dolasetron Mesylate

**Cat. No.: HY-19469**

**Bioactivity:** Dolasetron Mesylate (MDL-73147) is a serotonin 5-HT3 receptor antagonist used to treat nausea and vomiting following chemotherapy.

**Purity:** >98%

**Clinical Data:** Launched

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

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### Dolasetron Mesylate hydrate

**Cat. No.: HY-B0750B**

**Bioactivity:** Dolasetron Mesylate hydrate (MDL-73147) is a serotonin 5-HT3 receptor antagonist used to treat nausea and vomiting following chemotherapy.

**Purity:** >98%

**Clinical Data:** Launched

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

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Eltriptan hydrobromide
(Eletriptan HBr)
Cat. No.: HY-A0010
Bioactivity: Eletriptan HBr is a selective 5-HT1B and 5-HT1D receptor agonist with Ki of 0
Purity: >98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

Eltoprazine
(DU 28853)
Cat. No.: HY-16687
Bioactivity: Eltoprazine(DU28853) is a serenic or antiaggressive agent which as an agonist at the 5-HT1A and 5-HT1B receptors and as an antagonist at the 5-HT2C receptor.
Purity: >98%
Clinical Data: Phase 2
Size: 10mg x 1mL in DMSO,
10 mg, 50 mg

Eltoprazine hydrochloride
(DU 28853 hydrochloride)
Cat. No.: HY-16687A
Bioactivity: Eltoprazine(DU28853) is a serenic or antiaggressive agent which as an agonist at the 5-HT1A and 5-HT1B receptors and as an antagonist at the 5-HT2C receptor.
Purity: >98%
Clinical Data: Phase 2
Size: 10 mg, 50 mg

F 11440
(Eptapirone free base)
Cat. No.: HY-19946
Bioactivity: F 11440 is a potent, selective, high efficacy 5-HT1A receptor agonist.
Purity: 99.80%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
1 mg, 5 mg, 10 mg, 50 mg, 100 mg

Ferulic acid sodium
(Sodium ferulate)
Cat. No.: HY-N0060A
Bioactivity: Ferulic acid (4-hydroxy-3-methoxycinnamic acid) is a phenolic compound present in several plants with claimed beneficial effects in prevention and treatment of disorders linked to oxidative stress and inflammation.
Purity: 99.33%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
1 g, 5 g

FK 1052 hydrochloride
Cat. No.: HY-101638
Bioactivity: FK1052 hydrochloride is a potent 5-HT3 and 5-HT4 receptor dual antagonist.
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg, 10 mg, 20 mg

Flibanserin
(BIMT-17; BIMT-17BS)
Cat. No.: HY-A0095
Bioactivity: Flibanserin is a novel multifunctional serotonin agonist and antagonist (MSAA) that improves sexual functioning in premenopausal women who suffer from reduced sexual interest and desire.
Purity: 99.05%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

Granisetron
Cat. No.: HY-B0071
Bioactivity: Granisetron is a serotonin 5-HT3 receptor antagonist used as an antiemetic to treat nausea and vomiting following chemotherapy.
Purity: >98%
Clinical Data: Launched
Size: 50 mg, 100 mg

Granisetron Hydrochloride
(BRL 43694A)
Cat. No.: HY-B0071A
Bioactivity: Granisetron HCl(BRL 43694A) is a serotonin 5-HT3 receptor antagonist used as an antiemetic to treat nausea and vomiting following chemotherapy.
Purity: 99.69%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO,
50 mg, 100 mg

GSK163090
Cat. No.: HY-14348
Bioactivity: 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/B/D, and dopamine D2/D3, respectively.
Purity: >98%
Clinical Data: Phase 2
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg
<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>Harmine (Telepathine)</td>
<td>HY-N0737A</td>
<td>Harmin, a tricyclic b-carboline alkaloid that was originally isolated from seeds of Peganum harmala, has been reported to possess anxiolytic, behavioral effects</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>10mM x 1mL in DMSO, 500 mg</td>
</tr>
<tr>
<td>Iloperidone hydrochloride (HP 873 hydrochloride)</td>
<td>HY-17410A</td>
<td>Iloperidone (hydrochloride) is a D2/5-HT2 receptor antagonist, which is an atypical antipsychotic for the treatment of schizophrenia symptoms.</td>
<td>&gt;98%</td>
<td>Launched</td>
<td>10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Ketanserin (R41468)</td>
<td>HY-10562</td>
<td>Ketanserin is a selective 5-HT receptor antagonist. Ketanserin also blocks hERG current (IC₅₀=0.11 μM).</td>
<td>98.86%</td>
<td>Launched</td>
<td>10mM x 1mL in DMSO, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Lasmidatan hydrochloride (LY 573144 hydrochloride; COL-144 hydrochloride)</td>
<td>HY-14861A</td>
<td>Lasmidatan hydrochloride is a high-affinity, highly selective 5-HT1F receptor agonist (Ki=2.1 nM), compared with Ki of 1043 nM and 1357 nM at the 5-HT(1B) and 5-HT(1D) receptors, respectively.</td>
<td>&gt;98%</td>
<td>Phase 3</td>
<td>2 mg, 5 mg, 10 mg, 50 mg, 100 mg</td>
</tr>
<tr>
<td>Lidanserin (ZK-33839)</td>
<td>HY-101815</td>
<td>Lidanserin is a drug which acts as a combined 5-HT₂A and α₁-adrenergic receptor antagonist.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
<tr>
<td>Lesopitron dihydrochloride (E4424)</td>
<td>HY-101609</td>
<td>Lesopitron dihydrochloride is a full and selective 5-HT₁A receptor agonist with IC₅₀ of 125 nM in rat hippocampal membranes.</td>
<td>&gt;98%</td>
<td>No Development Reported</td>
<td>1 mg, 5 mg, 10 mg, 20 mg</td>
</tr>
</tbody>
</table>

Bioactivity: Harmine, a tricyclic b-carboline alkaloid that was originally isolated from seeds of Peganum harmala, has been reported to possess anxiolytic, behavioral effects.

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

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

Bioactivity: Irindalone is a novel serotonin 5-HT₂ antagonist.

Bioactivity: Ketanserin tartrate is a selective 5-HT receptor antagonist. Ketanserin tartrate also blocks hERG current (IC₅₀=0.11 μM).

Bioactivity: Lasmidatan hydrochloride is a high-affinity, highly selective 5-HT1F receptor agonist (Ki=2.1 nM), compared with Ki of 1043 nM and 1357 nM at the 5-HT(1B) and 5-HT(1D) receptors, respectively.

Bioactivity: Lesopitron dihydrochloride is a full and selective 5-HT₁A receptor agonist with IC₅₀ of 125 nM in rat hippocampal membranes.
Lorcaserin (APD-356)  
Bioactivity: Lorcaserin (APD-356) is a selective full agonist of human 5-HT2C receptor with Ki of 15 nM
Purity: >98%
Clinical Data: Launched
Size: 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg

Lorcaserin Hydrochloride (APD356)  
Bioactivity: Lorcaserin (Hydrochloride) is a selective full agonist of human 5-HT2C receptor with Ki of 15 nM.
Purity: >98.0%
Clinical Data: Launched
Size: 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

Loxapine  
Bioactivity: Loxapine Succinate is a D2DR and D4DR inhibitor, serotonergic receptor antagonist and also a dibenzoxazepine anti-psychotic agent.
Purity: 99.23%
Clinical Data: Launched
Size: 10 mM x 1 mL in DMSO, 100 mg, 500 mg

Loxapine succinate  
Bioactivity: Loxapine Succinate is a D2DR and D4DR inhibitor, serotonergic receptor antagonist and also a dibenzoxazepine anti-psychotic agent.
Purity: >98%
Clinical Data: Launched
Size: 10 mM x 1 mL in DMSO, 100 mg, 500 mg

Lu AE58054 (Idalopirdine)  
Bioactivity: Lu AE58054 is an in-vitro potency and selectivity, in-vivo binding affinity and effect of the 5-HT(6)R antagonist with a Ki value of 0.83 nM.
Purity: >98%
Clinical Data: Phase 3
Size: 5 mg, 10 mg, 50 mg

Lu AE58054 Hydrochloride (Idalopirdine Hydrochloride)  
Bioactivity: Lu AE58054 hydrochloride is an in-vitro potency and selectivity, in-vivo binding affinity and effect of the 5-HT(6)R antagonist with a Ki value of 0.
Purity: 99.67%
Clinical Data: Phase 3
Size: 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg

Lumateperone Tosylate (ITI-007)  
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).
Purity: 98.22%
Clinical Data: Phase 3
Size: 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Lurasidone D8 Hydrochloride (SM-13496 D8)  
Bioactivity: Lurasidone D8 Hydrochloride is the deuterium labeled Lurasidone, which is an inhibitor of Dopamine D2, 5-HT2A, 5-HT7, 5-HT1A and noradrenaline α2C.
Purity: >98%
Clinical Data: No Development Reported
Size: 1 mg, 5 mg

Lurasidone Hydrochloride (SM-13496)  
Bioactivity: Lurasidone HCl (SM 13496 Hcl) is an inhibitor of Dopamine D2, 5-HT2A, 5-HT7, 5-HT1A and noradrenaline α2C with IC50 of 1.68 nM, 2.03 nM, 0.495 nM, 6.75 nM and 10.8 nM, respectively.
Purity: 99.85%
Clinical Data: Launched
Size: 10 mg, 50 mg, 100 mg, 200 mg, 500 mg

LY 344864  
Bioactivity: LY344864 is a selective receptor agonist with an affinity of 6 nM (Ki) at the recently cloned 5-HT1F receptor.
Purity: 99.64%
Clinical Data: No Development Reported
Size: 10 mM x 1 mL in DMSO, 5 mg, 10 mg, 50 mg
## LY 344864 S-enantiomer

**Cat. No.: HY-13788A**

**Bioactivity:** LY 344864 S-enantiomer is the S-enantiomer of LY344864. LY344864 is a 5-HT1F receptor agonist.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 10mM x 1mL in DMSO, 2 mg, 5 mg

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## LY310762

**Cat. No.: HY-13527**

**Bioactivity:** LY310762 is a 5-HT1D receptor antagonist with Ki of 249 nM, having a weaker affinity for 5-HT1B receptor.

**Purity:** 98.97%

**Clinical Data:** No Development Reported

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

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## Metergoline

**Cat. No.: HY-B1033**

**Bioactivity:** Metergoline is a psychoactive drug of the ergoline chemical class which acts as a ligand for various serotonin and dopamine receptors.

**Purity:** 98.62%

**Clinical Data:** Launched

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

---

## Mirtazapine

**Cat. No.: HY-B0352**

**Bioactivity:** Mirtazapine is a potent tetracyclic antidepressant.

**Purity:** 99.82%

**Clinical Data:** Launched

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

---

## Mosapride (TAK-370; AS-4370)

**Cat. No.: HY-B0189**

**Bioactivity:** Mosapride is a gastroprokinetic agent that acts as a selective 5HT4 agonist.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg

---

## Mosapride citrate (TAK-370 citrate; AS-4370 citrate)

**Cat. No.: HY-B0189A**

**Bioactivity:** Mosapride citrate is a gastroprokinetic agent that acts as a selective 5HT4 agonist.

**Purity:** 99.74%

**Clinical Data:** Launched

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

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## Naftidrofuryl oxalate (Nafronyl oxalate salt)

**Cat. No.: HY-B1107**

**Bioactivity:** Naftidrofuryl is a drug used in the management of peripheral and cerebral vascular disorders as a vasodilator, enhance cellular oxidative capacity, and may also be a 5-HT2 receptor antagonist.

**Purity:** >98%

**Clinical Data:** Launched

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

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## NAN-190 hydrobromide

**Cat. No.: HY-19818A**

**Bioactivity:** NAN-190 hydrobromide is a serotonin receptor 5-HT antagonist. NAN-190 is a selective antagonist of 5-HT1A.

**Purity:** 98.31%

**Clinical Data:** No Development Reported

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

---

## Naratriptan (GR-85548A)

**Cat. No.: HY-80197**

**Bioactivity:** Naratriptan is a selective 5-HT1 receptor subtype agonist and is a triptan drug that is used for the treatment of migraine headaches.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10 mg, 50 mg

---

## Naratriptan D3 Hydrochloride (GR-85548A D3)

**Cat. No.: HY-80197AS**

**Bioactivity:** Naratriptan D3 Hydrochloride is the deuterium labeled Naratriptan, which is a selective 5-HT1 receptor subtype agonist.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 1 mg, 5 mg, 10 mg
### Naratriptan hydrochloride
*(GR-85548A hydrochloride)*

**Cat. No.** HY-B0197A

**Bioactivity:** Naratriptan hydrochloride is a selective 5-HT1 receptor subtype agonist and is a triptan drug that is used for the treatment of migraine headaches.

**Purity:** >98%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

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### Nefazodone hydrochloride
*(BMY-13754; MJ-13754-1)*

**Cat. No.** HY-B1396

**Bioactivity:** Nefazodone hydrochloride is an antidepressant drug.

**Purity:** 99.69%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

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### Nelotanserin
*(APD125)*

**Cat. No.** HY-10559

**Bioactivity:** Nelotanserin is a potent selective 5-HT2A inverse agonist, nelotanserin has low nanomolar potency on the 5-HT2A receptor with at least 30- and 5000-fold selectivity compared with 5-HT2C and 5-HT2B receptors.

**Purity:** 99.59%
**Clinical Data:** Phase 2
**Size:** 10mM x 1mL in DMSO, 1 mg, 5 mg, 10 mg, 50 mg, 100 mg

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### 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_{2B} (IC_{50}=1 μM), an inverse agonist at 5-HT_{2B} (IC_{50}=150 nM), a partial agonist at D_{2} (…)

**Purity:** 99.66%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg

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### Olanzapine
*(LY170053)*

**Cat. No.** HY-14541

**Bioactivity:** Olanzapine(LY170053) is a high affinity for 5-HT2 serotonin and D2 dopamine receptor antagonist

**Purity:** 99.90%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 50 mg, 100 mg, 500 mg

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### Ondansetron
*(GR38032)*

**Cat. No.** HY-80002B

**Bioactivity:** Ondansetron(GR38032) is a serotonin 5-HT3 receptor antagonist used mainly as antiemetic (to treat nausea and vomiting), often following chemotherapy.

**Purity:** 98.55%
**Clinical Data:** Launched
**Size:** 10 mg, 50 mg, 100 mg

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### Ondansetron Hydrochloride
*(GR 38032; SN 307; NSC 665799)*

**Cat. No.** HY-B0002

**Bioactivity:** Ondansetron is a serotonin 5-HT3 receptor antagonist used mainly as antiemetic (to treat nausea and vomiting), often following chemotherapy.

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

---

### Ondansetron hydrochloride dihydrate
*(GR 38032; SN 307; NSC 665799)*

**Cat. No.** HY-B0002A

**Bioactivity:** Ondansetron is a serotonin 5-HT3 receptor antagonist used mainly as antiemetic (to treat nausea and vomiting), often following chemotherapy.

**Purity:** 99.56%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in Water, 50 mg, 100 mg, 1 g, 5 g

---

### Palonosetron

**Cat. No.** HY-A0018

**Bioactivity:** Palonosetron is a 5-HT3 antagonist used in the prevention and treatment of chemotherapy-induced nausea and vomiting (CINV).

**Purity:** >98%
**Clinical Data:** Launched
**Size:** 10 mg, 100 mg
### Palonosetron Hydrochloride

**Bioactivity:** Palonosetron HCl is a 5-HT3 antagonist used in the prevention and treatment of chemotherapy-induced nausea and vomiting (CINV).

**Purity:** 99.96%

**Clinical Data:** Launched

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

### Pancropride (LAS 30451)

**Bioactivity:** Pancropride is a new potent and selective 5-HT3 receptor antagonist.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

### Pardoprunox (SLV-308, DU-126891)

**Bioactivity:** Pardoprunox (SLV-308) 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 (IA = 50% and 67%, respectively) and 5-HT1A receptor (pKi = 8.5) full agonist (IA = 100%); also binds to D4 (pKi = 7.8), α1-adrenergic (pKi = 7.8).

**Purity:** 98.80%

**Clinical Data:** Phase 3

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

### Pancropride hydrochloride (SLV-308 hydrochloride; DU-126891 hydrochloride)

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

### Peptide 401 (Ile-Lys-Cys-Asn-Lys-Arg-Val-Ile-Lys-Pro-His-Ile-Cys-Arg-Lys-Gly-Lys-Asn-NH2; IKCNCKRH...)

**Bioactivity:** Peptide 401, a potent mast cell degranulating factor from bee venom, suppresses the increased vascular permeability due to intradermal injection of various smooth muscle spasmogens (histamine, and 5-HT).

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 500u g, 1 mg, 5 mg

### Perphenazine

**Bioactivity:** Perphenazine is a typical antipsychotic drug, inhibits 5-HT2A receptor (5-HT2A), Alpha-1A adrenergic receptor (α1A), Dopamine receptor D2/D3, D2L receptor, and Histamine H1 receptor (H1) with Ki of 5.6, 10, 0.765/0.13, 3.4, and 8 nM.

**Purity:** 99.93%

**Clinical Data:** Launched

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

### Perphenazine D8 Dihydrochloride

**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

### Piboserod hydrochloride (SB-207266 hydrochloride)

**Bioactivity:** Piboserod hydrochloride is a selective 5-HT(4) receptor antagonist.

**Purity:** 99.73%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

### Pimavanserin

**Bioactivity:** Pimavanserin is a potent 5-hydroxytryptamine (5-HT)2A receptor inverse agonist, displays potent inverse agonist activity in the cell-based functional assay receptor selection and amplification technology (R-SAT), with a mean pIC50 of 8.7.

**Purity:** 99.73%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg
<table>
<thead>
<tr>
<th><strong>Pindolol</strong></th>
<th><strong>Cat. No.: HY-80982</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Pindolol is a nonselective β-blocker with partial beta-adrenergic receptor agonist activity, also functions as a 5-HT1A receptor weak partial agonist / antagonist (Ki=33nM).</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</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Pizotifen</strong> (Pizotyline)</th>
<th><strong>Cat. No.: HY-80115</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Pizotifen(Pizotyline) is a highly selective 5-HT receptor blocking agent, which is a benzocycloheptane based drug.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.70%</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>Pizotifen malate</strong> (Pizotyline malate)</th>
<th><strong>Cat. No.: HY-B0115A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Pizotifen malate is a highly selective 5-HT receptor blocking agent, which is a benzocycloheptane based drug.</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, 200 mg, 500 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Prucalopride</strong></th>
<th><strong>Cat. No.: HY-14151</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Prucalopride (R093877) is a drug acting as a selective, high affinity 5-HT4 receptor agonist(pKi=8.6/8.1 for 5-HT4a/4b); &gt;150-fold higher affinity for 5-HT4 receptors than for other receptors.</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>10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Prucalopride succinate</strong> (R-108512)</th>
<th><strong>Cat. No.: HY-12694</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Prucalopride succinate is a selective, high affinity 5-HT4 receptor agonist with pKi of 8.6/8.1 for 5-HT4a/4b.</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>10mM x 1mL in DMSO, 50 mg, 100 mg, 200 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>PRX-08066</strong></th>
<th><strong>Cat. No.: HY-15472</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>PRX-08066 is a selective 5-hydroxytryptamine receptor 2B (5-HT2BR, IC50= 3.4 nM) antagonist that causes selective vasodilatation of pulmonary arteries.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 2</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 5 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Puerarin</strong></th>
<th><strong>Cat. No.: HY-N0145</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Puerarin, an isoflavone extracted from Radix puerariae, is a 5-HT2C receptor antagonist.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 2</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quetiapine</strong></th>
<th><strong>Cat. No.: HY-14544</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Quetiapine(Ketipinor) 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>99.83%</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>Quetiapine D4 fumarate</strong></th>
<th><strong>Cat. No.: HY-B0031S</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>&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, 10 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Quetiapine fumarate</strong></th>
<th><strong>Cat. No.: HY-B0031</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>
Quetiapine sulfoxide dihydrochloride (Quetiapine sulfoxide dihydrochloride; Quetiapine S-oxide dih...)  
Cat. No.: HY-G0014A

Bioactivity: Quetiapine Sulfoxide is a metabolite of Quetiapine. Quetiapine is an atypical antipsychotic approved for the treatment of schizophrenia, bipolar disorder, and along with an antidepressant to treat major depressive disorder.

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

Ramosetron Hydrochloride  
(YM060)  
Cat. No.: HY-B0595

Bioactivity: Ramosetron Hydrochloride (YM060 Hydrochloride) is a serotonin 5-HT3 receptor antagonist for the treatment of nausea and vomiting.

Purity: >98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

Risperidone  
(R 64 766)  
Cat. No.: HY-11018

Bioactivity: Risperidone (R 64 766) 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

Risperidone hydrochloride  
(R 64 766 hydrochloride)  
Cat. No.: HY-11018A

Bioactivity: Risperidone HCl (R 64 766 HCl) 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

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

Rizatriptan benzoate  
(MK 462)  
Cat. No.: HY-B0206

Bioactivity: Rizatriptan benzoate (Maxalt) is a 5-HT1 agonist triptan drug for the treatment of migraine headaches.

Purity: >98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

Rotigotine  
Cat. No.: HY-75502

Bioactivity: Rotigotine is a full agonist of dopamine receptor, a partial agonist of the 5-HT2A receptor, and an antagonist of the a2B-adrenergic receptor, with K_i of 0.71 nM, 4.15 nM, and 83 nM for the dopamine D3 receptor and D2, D3, D4 receptor.

Purity: >98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

RS 127445  
(MT 500)  
Cat. No.: HY-15419

Bioactivity: RS 127445 is a novel high affinity, selective 5-HT2B receptor antagonist with pK_i of 9.5.

Purity: 99.91%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

RU 24969  
Cat. No.: HY-16688

Bioactivity: RU 24969 is a selective agonist at the 5-HT1A and 5-HT1B receptors.

Purity: >98%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

Rupatadine  
(UR-12592)  
Cat. No.: HY-13511

Bioactivity: Rupatadine (UR-12592) is a potent dual PAF/H1 antagonist with K_i of 0.55/0.1 uM (rabbit platelet membranes/guinea pig cerebellum membranes).

Purity: >98%
Clinical Data: Launched
Size: 100 mg, 500 mg
**Rupatadine Fumarate**  
**Cat. No.: HY-13511A**

**Bioactivity:** Rupatadine fumarate (UR-12592 fumarate) is a potent dual PAF/H1 antagonist with Ki of 0.

**Purity:** >98%

**Clinical Data:** Launched

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

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**Sarpogrelate hydrochloride**  
**Cat. No.: HY-10564**

**Bioactivity:** Sarpogrelate (MCI-9042) hydrochloride, a selective 5-HT2 antagonist, has been widely used as an anti-platelet agent for the treatment of PAD.

**Purity:** 98.39%

**Clinical Data:** No Development Reported

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

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**SB 242084**  
**Cat. No.: HY-13409**

**Bioactivity:** SB 242084 is a 5-HT2C receptor antagonist (pKi=9.0) that displays 158- and 100-fold selectivity over 5-HT2A and 5-HT2B receptors respectively.

**Purity:** 99.28%

**Clinical Data:** No Development Reported

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

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**SB 242084 hydrochloride**  
**Cat. No.: HY-13409A**

**Bioactivity:** SB 242084 hydrochloride is a 5-HT2C receptor antagonist (pKi=9.0) that displays 158- and 100-fold selectivity over 5-HT2A and 5-HT2B receptors respectively.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

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**SB 271046 Hydrochloride**  
**Cat. No.: HY-14336A**

**Bioactivity:** SB 271046 HCl is a potent, selective and orally active 5-HT6 receptor antagonist with pKi of 8.9.

**Purity:** 99.77%

**Clinical Data:** No Development Reported

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

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**SB-269970**  
**Cat. No.: HY-15370**

**Bioactivity:** SB 269970 is a 5-HT7 receptor antagonist with pKi of 8.3, exhibits >50-fold selectivity against other receptors.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

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**SB-269970 hydrochloride**  
**Cat. No.: HY-15370A**

**Bioactivity:** SB269970 hydrochloride is a hydrochloride salt form of SB-269970, which is a 5-HT7 receptor antagonist with pKi of 8.3, exhibits >50-fold selectivity against other receptors.

**Purity:** 98.33%

**Clinical Data:** No Development Reported

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

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**SB-742457**  
**Cat. No.: HY-14339**

**Bioactivity:** SB742457 is a highly selective 5-HT6 receptor antagonist with pKi of 9.63; exhibits >100-fold selectivity over other receptors.

**Purity:** >98.3%

**Clinical Data:** Phase 3

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

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**Scopolamine**  
**Cat. No.: HY-N0296**

**Bioactivity:** Scopolamine is a high affinity (nM) muscarinic antagonist. 5-HT₃ receptor-responses are reversibly inhibited by Scopolamine with an IC₅₀ of 2.09 μM.

**Purity:** >98%

**Clinical Data:** Launched

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

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**Scopolamine hydrobromide**  
**Cat. No.: HY-N0296A**

**Bioactivity:** Scopolamine hydrobromide is a high affinity (nM) muscarinic antagonist. 5-HT₃ receptor-responses are reversibly inhibited by Scopolamine with an IC₅₀ of 2.09 μM.

**Purity:** >98.0%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg
Bioactivity: Sertindole, a neuroleptic, is one of the newer antipsychotic medications available

Bioactivity: Setiptiline(Org-8282) is a serotonin receptor antagonist.

Bioactivity: Setiptiline is a serotonin receptor antagonist.

Bioactivity: Tandospirone(SM-3997) is a potent and selective 5-HT1A receptor partial agonist (Ki = 27 nM) that displays selectivity over 5-HT2, 5-HT1C, alpha1, alpha2, D1 and D2 receptors (Ki values ranging from 1300-41000 nM).

Bioactivity: Tandospirone citrate is a potent and selective 5-HT1A receptor partial agonist (Ki = 27 nM) that displays selectivity over 5-HT2, 5-HT1C, alpha1, alpha2, D1 and D2 receptors (Ki values ranging from 1300-41000 nM).

Bioactivity: Tedatioxetine hydrobromide acts as a triple reuptake inhibitor and antagonist.

Bioactivity: Tegaserod maleate is a partial agonist of the 5-HT4 receptor; stimulates the peristaltic reflex and accelerates gastrointestinal transit.

Bioactivity: Thioridazine is an antipsychotic drug, used in the treatment of schizophrenia and psychosis, shows D4 selectivity or serotonin antagonism

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

- **Purity:** 99.79%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

**Setiptiline maleate** (MO-8282)  
**Cat. No.: HY-32329A**

- **Purity:** >98%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

**Tandospirone** (SM-3997)  
**Cat. No.: HY-14558**

- **Purity:** 99.17%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

**Tedatioxetine hydrobromide** (Lu AA 24530 hydrobromide)  
**Cat. No.: HY-101755**

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

**TG6-10-1**  
**Cat. No.: HY-16978**

- **Purity:** 98.64%
- **Clinical Data:** No Development Reported
- **Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg

**Setiptiline** (Org-8282)  
**Cat. No.: HY-32329**

- **Purity:** 96.00%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg, 200 mg

**Sumatriptan succinate** (GR 43175)  
**Cat. No.: HY-B0121**

- **Purity:** 98.41%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 20 mg

**Tandospirone citrate** (SM-3997 citrate)  
**Cat. No.: HY-B0061**

- **Purity:** >98%
- **Clinical Data:** Launched
- **Size:** 5 mg, 10 mg, 25 mg

**Tegaserod maleate** (SDZ-HTF-919; HTF-919)  
**Cat. No.: HY-14153A**

- **Purity:** >98%
- **Clinical Data:** Launched
- **Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg

**Thioridazine hydrochloride**  
**Cat. No.: HY-B0965**

- **Purity:** 99.54%
- **Clinical Data:** Phase 4
- **Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg
Bioactivity: Tianeptine is a selective facilitator of 5-HT uptake in vitro and in vivo.

Purity: 99.69%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

Bioactivity: Tianeptine sodium salt is a selective facilitator of 5-HT uptake in vitro and in vivo.

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

Bioactivity: Trazodone HCl is an antidepressant belonging to the class of serotonin receptor antagonists and reuptake inhibitors for treatment of anxiety disorders.

Purity: 99.93%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

Bioactivity: Trazodone hydrochloride is a selective 5-HT3 receptor antagonist and α7-nicotinic receptor agonist with an IC50 of 70.1 ± 0.9 nM for 5-HT3 receptor.

Purity: >98.0%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 100 mg, 500 mg

Bioactivity: Tropisetron (SDZ-ICS 930) is a selective 5-HT3 receptor antagonist and α7-nicotinic receptor agonist with an IC50 of 70.1 ± 0.9 nM for 5-HT3 receptor.

Purity: 99.99%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

Bioactivity: Urapidil HCl is an α1-adrenoceptor antagonist and 5-HT1A receptor agonist.

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

Bioactivity: Tropisetron Hydrochloride (SDZ-ICS 930) is a selective 5-HT3 receptor antagonist and α7-nicotinic receptor agonist with an IC50 of 70.1 ± 0.9 nM for 5-HT3 receptor.

Purity: 99.99%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg, 100 mg

Bioactivity: Vilazodone (EMD 68843; SB659746A) is a combined serotonin specific reuptake inhibitor (SSRI) and 5-HT1A receptor partial agonist currently under clinical evaluation for the treatment of major depression.

Purity: >98%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg

Bioactivity: Vilazodone D8 is the a deuterium labeled vilazodone, which is a combined serotonin specific reuptake inhibitor (SSRI) and 5-HT1A receptor partial agonist.

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

Bioactivity: Vilazodone Hcl (EMD 68843; SB659746A) is a combined serotonin specific reuptake inhibitor (SSRI) and 5-HT1A receptor partial agonist currently under clinical evaluation for the treatment of major depression.

Purity: 98.58%
Clinical Data: Launched
Size: 10mM x 1mL in DMSO, 10 mg, 50 mg
| **Vortioxetine**  
**(Lu AA 21004)**  
**Cat. No.: HY-15414** | **Vortioxetine hydrobromide**  
**(Lu AA21004 hydrobromide)**  
**Cat. No.: HY-15414A** |
|---|---|
| **Bioactivity:**  
Vortioxetine (Lu AA21004) is a multimodal serotonergic agent, inhibits 5-HT1A, 5-HT1B, 5-HT3A, 5-HT7 receptor and SERT with IC50 of 15 nM, 33 nM, 3.7 nM, 19 nM and 1.6 nM, respectively. | **Bioactivity:**  
Vortioxetine Hcl (Lu AA21004 Hcl) is a multimodal serotonergic agent, inhibits 5-HT1A, 5-HT1B, 5-HT3A, 5-HT7 receptor and SERT with IC50 of 15 nM, 33 nM, 3 |
| **Purity:** 98.99%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg | **Purity:** 99.54%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg |

| **WAY-100635**  
**Cat. No.: HY-10349** | **WAY-100635 maleate salt**  
**Cat. No.: HY-13105** |
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<tr>
<td><strong>Bioactivity:</strong> WAY-100635 is a potent and selective 5-hydroxytryptamine1A antagonist with an IC50 of 0.95 ± 0.12 nM for 5-HT.</td>
<td><strong>Bioactivity:</strong> WAY-100635 maleate is a potent and selective 5-hydroxytryptamine1A antagonist with an IC50 of 0.95 ± 0.12 nM for 5-HT.</td>
</tr>
</tbody>
</table>
| **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 10 mg, 50 mg, 100 mg | **Purity:** 98.52%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM x 1 mL in DMSO, 10 mg, 50 mg |

| **YL0919**  
**Cat. No.: HY-100769** | **Ziprasidone**  
**(CP-88059)**  
**Cat. No.: HY-14542** |
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<tr>
<td><strong>Bioactivity:</strong> YL0919, a novel antidepressant candidate with dual activity as a 5-HT1A receptor agonist and a selective serotonin reuptake inhibitor, the IC50 values of YL-0919 inhibiting the uptake of 5-HT into rat cerebral cortical synaptosomes and human recombinant cells were 1.78±0.34 nM and 1.93±0.18 nM respectively.</td>
<td><strong>Bioactivity:</strong> Ziprasidone(CP88059) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.</td>
</tr>
</tbody>
</table>
| **Purity:** 99.84%  
**Clinical Data:** No Development Reported  
**Size:** 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 50 mg, 100 mg | **Purity:** >98%  
**Clinical Data:** Launched  
**Size:** 10 mg, 50 mg |

| **Ziprasidone D8**  
**(CP-88059 D8)**  
**Cat. No.: HY-145425** | **Ziprasidone hydrochloride**  
**(CP-88059 hydrochloride)**  
**Cat. No.: HY-14542A** |
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<tr>
<td><strong>Bioactivity:</strong> 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>
<td><strong>Bioactivity:</strong> Ziprasidone Hcl(CP-88059 Hcl) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity.</td>
</tr>
</tbody>
</table>
| **Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 1 mg, 5 mg | **Purity:** >98%  
**Clinical Data:** Launched  
**Size:** 10 mg, 50 mg |

| **Ziprasidone hydrochloride monohydrate**  
**(CP 88059)**  
**Cat. No.: HY-17407** | **Zolmitriptan**  
**(BW-311C90; 311C90)**  
**Cat. No.: HY-B0229** |
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<tr>
<td><strong>Bioactivity:</strong> Ziprasidone(CP88059) is a combined 5-HT (serotonin) and dopamine receptor antagonist which exhibits potent effects of antipsychotic activity</td>
<td><strong>Bioactivity:</strong> Zolmitriptan, a selective serotonin receptor agonist, is used to treat migraine attacks with or without aura and cluster headaches.</td>
</tr>
</tbody>
</table>
| **Purity:** 98.29%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 10 mg, 50 mg | **Purity:** >98%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg |