Sodium channels are integral membrane proteins that form ion channels, conducting sodium ions (Na\(^+\)) through a cell's plasma membrane. They are classified according to the trigger that opens the channel for such ions, i.e. either a voltage-change (Voltage-gated, voltage-sensitive, or voltage-dependent sodium channel also called VGSCs or Nav channel) or a binding of a substance (a ligand) to the channel (ligand-gated sodium channels). In excitable cells such as neurons, myocytes, and certain types of glia, sodium channels are responsible for the rising phase of action potentials. Voltage-gated Na\(^+\) channels can exist in any of three distinct states: deactivated (closed), activated (open), or inactivated (closed). Ligand-gated sodium channels are activated by binding of a ligand instead of a change in membrane potential.
**Sodium Channel Inhibitors & Modulators**

**(-)-Sparteine sulfate pentahydrate ((-)-Sparteine sulfate salt; Lupinidine sulfate pentahydrate)**

Cat. No.: HY-B1304

**Bioactivity:** (-)-Sparteine sulfate pentahydrate is a class 1a antiarrhythmic agent and a sodium channel blocker

**Purity:** >98%

**Clinical Data:** Launched

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

**A-803467**

Cat. No.: HY-11079

**Bioactivity:** A-803467 is a selective Nav1.8 sodium channel blocker with an IC50 of 8 nM; over 100-fold more selective vs. human Nav1.2, 1.3, 1.5 and 1.7.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

**Aconitine (Acetylbenzoylaconine)**

Cat. No.: HY-N0051

**Bioactivity:** Aconitine (Acetylbenzoylaconine) is a neurotoxin which activates tetrodotoxin-sensitive Na+ channels, inducing presynaptic depolarization and blocking the release of neurotransmitters; also blocks norepinephrine uptake and induces ventricular tachycardia after intracoronary injection in heart.

**Purity:** >98.0%

**Clinical Data:** No Development Reported

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

**Ajmaline (Cardiorythmine; (+)-Ajmaline)**

Cat. No.: HY-B1167

**Bioactivity:** Ajmaline is an alkaloid that is class 1a antiarrhythmic agent

**Purity:** 99.31%

**Clinical Data:** Launched

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

**AM-2099**

Cat. No.: HY-100727

**Bioactivity:** AM-2099 is a potent and selective inhibitor of voltage-gated sodium channel Nav1.7 with an IC50 of 0.16 μM for human Nav1.7.

**Purity:** >98.0%

**Clinical Data:** No Development Reported

**Size:** 10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

**Amiloride (MK-870)**

Cat. No.: HY-B0285

**Bioactivity:** Amiloride is a relatively selective inhibitor of the epithelial sodium channel (ENaC), used in the management of hypertension and congestive heart failure.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 100 mg

**Amiloride hydrochloride (MK-870 hydrochloride)**

Cat. No.: HY-B0285A

**Bioactivity:** Amiloride (hydrochloride) is a relatively selective inhibitor of the epithelial sodium channel (ENaC), used in the management of hypertension and congestive heart failure.

**Purity:** 99.30%

**Clinical Data:** Launched

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

**Amitriptyline hydrochloride**

Cat. No.: HY-B0527A

**Bioactivity:** Amitriptyline Hydrochloride is a dibenzocycloheptene-derivative tricyclic antidepressant (TCA).

**Purity:** 99.92%

**Clinical Data:** Launched

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

**Benzamid hydrochloride (Benzyamid hydrochloride)**

Cat. No.: HY-B1546A

**Bioactivity:** Benzamid hydrochloride is a specific blocker of sodium channel (ENaC) and used in the management of hypertension.

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:**

**Benzocaine**

Cat. No.: HY-Y0258

**Bioactivity:** Benzocaine is a common receptor with all other local anesthetics (LAS) in the voltage-gated Na+ channel. exerts an indirect action on the membrane permeability to calcium, key steps of the Ca-ATPase enzymatic cycle.

**Purity:** 99.76%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in DMSO, 5 g, 10 g
<table>
<thead>
<tr>
<th>Name</th>
<th>Cat. No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Brivaracetam</strong></td>
<td>HY-14449</td>
</tr>
<tr>
<td><strong>Bioactivity:</strong></td>
<td></td>
</tr>
<tr>
<td>Brivaracetam is a novel high affinity SV2A ligand, which dose-dependently inhibits voltage-dependent sodium currents and reverses the inhibitory effects of negative modulators on γ-aminobutyric acid- and glycine-induced currents.</td>
<td></td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.42%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td></td>
</tr>
<tr>
<td>10mM x 1mL in DMSO, 5 g, 10 g</td>
<td></td>
</tr>
</tbody>
</table>

| **Bulleyaconitine A**         | HY-N0239    |
| **Bioactivity:**              |             |
| Bulleyaconitine A is an analgesic and antiinflammatory drug isolated from Aconitum plants; has several potential targets, including voltage-gated Na+ channels. |             |
| **Purity:**                   | >98%        |
| **Clinical Data:**            | No Development Reported |
| **Size:**                     |             |
| 10 mg, 50 mg                  |             |

| **Carbamazepine**            | HY-80246    |
| **Bioactivity:**              |             |
| Carbamazepine, a sodium channel blocker, is an anticonvulsant drug |             |
| **Purity:**                   | 99.75%      |
| **Clinical Data:**            | Launched    |
| **Size:**                     |             |
| 10mM x 1mL in DMSO, 100 mg, 500 mg |             |

| **Chlorpromazine D6 hydrochloride** | HY-80407A5 |
| **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**  | HY-80407A  |
| **Bioactivity:**                  |             |
| Chlorpromazine Hydrochloride is an antagonist of the dopamine D<sub>2</sub> receptors, 5-HT<sub>2A</sub> receptors, potassium channel, sodium channel, with K<sub>i</sub> of 363 nM and 8.3 nM for dopamine D<sub>2</sub> receptor and serotonin 5-HT<sub>2A</sub> receptor, respectively. |             |
| **Purity:**                       | 99.85%      |
| **Clinical Data:**                | Launched    |
| **Size:**                         |             |
| 10mM x 1mL in DMSO, 1 g, 5 g      |             |

| **CNV1014802**                  | HY-12796    |
| **Bioactivity:**                |             |
| CNV1014802(GSK-1014802; Raxatrigine) is a novel small molecule state-dependent sodium channel blocker; Nav1.7 sodium channel inhibitor. |             |
| **Purity:**                     | >98%        |
| **Clinical Data:**              | Phase 2     |
| **Size:**                       |             |
| 5 mg, 10 mg, 50 mg, 100 mg      |             |

| **CNV1014802 hydrochloride**    | HY-12796A   |
| **Bioactivity:**                |             |
| CNV1014802(GSK-1014802) Hcl is a novel small molecule state-dependent sodium channel blocker; Nav1.7 sodium channel inhibitor. |             |
| **Purity:**                     | 98.69%      |
| **Clinical Data:**              | Phase 2     |
| **Size:**                       |             |
| 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg |             |

| **Dibucaine**                  | HY-80552    |
| **Bioactivity:**               |             |
| Dibucaine is a local anesthetic of the amide type now generally used for surface anesthesia. |             |
| **Purity:**                    | 99.61%      |
| **Clinical Data:**             | Launched    |
| **Size:**                      |             |
| 10mM x 1mL in DMSO, 5 g, 10 g  |             |

| **Dibucaine hydrochloride**    | HY-80552A   |
| **Bioactivity:**               |             |
| Dibucaine Hydrochloride is a local anesthetic of the amide type now generally used for surface anesthesia. |             |
| **Purity:**                    | >98%        |
| **Clinical Data:**             | No Development Reported |
| **Size:**                      |             |
| 10mM x 1mL in DMSO, 5 g, 10 g  |             |
**Bioactivity:** Dyclonine is an oral anaesthetic found in Sucrets, an over the counter throat lozenge.

**Purity:** 96.56%

**Clinical Data:** Launched

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

---

**Eniporide hydrochloride**

**Bioactivity:** Eniporide hydrochloride (EMD-96785 hydrochloride) is a potent Na⁺/H⁺ exchange inhibitor.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

---

**Eleclazine hydrochloride**

**Bioactivity:** Eleclazine hydrochloride is a novel late Na⁺ current inhibitor with IC₅₀ value of 0.7 μM.

**Purity:** 99.47%

**Clinical Data:** Phase 3

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

---

**Bioactivity:** Dyclonine hydrochloride is an oral anaesthetic found in Sucrets, an over the counter throat lozenge.

**Purity:** 99.52%

**Clinical Data:** Launched

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

---

**Bioactivity:** Eleclazine hydrochloride is a novel late Na⁺ current inhibitor with IC₅₀ value of 0.7 μM.

**Purity:** 99.47%

**Clinical Data:** Phase 3

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

---

**Bioactivity:** Eslicarbazepine acetate (BIA 2-093) is an antiepileptic drug.

**Purity:** 99.48%

**Clinical Data:** No Development Reported

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

---

**Bioactivity:** Eslicarbazepine acetate (BIA 2-093) is an antiepileptic drug.

**Purity:** 99.48%

**Clinical Data:** No Development Reported

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

---

**Bioactivity:** Flecainide(Tambocor) is a class 1C antiarrhythmic drug especially used for the management of supraventricular arrhythmia; works by blocking the Nav1.5 sodium channel in the heart, causing prolongation of the cardiac action potential.

**Purity:** >98%

**Clinical Data:** Launched

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

---

**Bioactivity:** GS967 (GS-458967) is a potent, and selective inhibitor of cardiac late sodium current (late I₉Na) with IC₅₀ values of 0.13 and 0.21 μM for ventricular myocytes and isolated hearts, respectively.

**Purity:** 99.80%

**Clinical Data:** No Development Reported

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

---

**Bioactivity:** ICA-121431 is a nanomolar potent small molecule Nav1.7 channel inhibitor with IC₅₀ of 19 nM for rat Nav1.7, but no inhibition on human, monkey and dog Nav1.7.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

---

**Bioactivity:** Lamotrigine (LTG; BW430C) is a novel anticonvulsant drug for inhibition of 5-HT and sodium channel Target: Sodium Channel Lamotrigine stabilises presynaptic neuronal membranes by blockade of voltage-dependent sodium channels, thus preventing the release of excitatory neurotransmitters, particularly glutamate and aspartate [1]

**Purity:** 99.98%

**Clinical Data:** Launched

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

---

**Bioactivity:** Lidocaine (Lignocaine), an amide local anesthetic, has anti-inflammatory properties in vitro and in vivo, possibly due to an attenuation of pro-inflammatory cytokines, intracellular adhesion molecule-1 (ICAM-1), and reduction of neutrophils influx.

**Purity:** 99.52%

**Clinical Data:** Launched

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

---

**Bioactivity:** Lidocaine HCl salt, an amide local anesthetic, has anti-inflammatory properties in vitro and in vivo, possibly due to an attenuation of pro-inflammatory cytokines, intracellular adhesion molecule-1 (ICAM-1), and reduction of neutrophils influx.

**Purity:** >98%

**Clinical Data:** Launched

**Size:** 10mM x 1mL in Water, 5 g, 10 g
Mepivacaine hydrochloride

**Bioactivity:** Mepivacaine is a tertiary amine used as a local anesthetic.

**Purity:** >98%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 1 g, 5 g

Mexiletine hydrochloride

**Bioactivity:** Mexiletine hydrochloride is a non-selective voltage-gated sodium channel blocker; Class IB anti-arrhythmic compound.

**Purity:** 99.59%
**Clinical Data:** Launched
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

Moricizine (Moracizine)

**Bioactivity:** Moricizine is an antiarrhythmia agent used primarily for ventricular rhythm disturbances.

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

Myomodulin (Pro-Met-Ser-Leu-Arg-Leu; PMSMLRL)

**Bioactivity:** Myomodulin is a neuropeptide present in molluscs, insects, and gastropods.

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

Nav1.7 inhibitor

**Bioactivity:** Nav1.7 inhibitor is a potent Nav1.7 inhibitor.

**Purity:** >98%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Nav1.7-IN-2

**Bioactivity:** Nav1.7-IN-2 is an inhibitor of voltage-gated sodium channels (Nav), in particular Nav 1.7, with IC50 of 80 nM.

**Purity:** >98%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

Nicainoprol

**Bioactivity:** Nicainoprol is a fast-sodium-channel blocking drug, which is a potent antiarrhythmic agent.

**Purity:** 99.48%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 1 g, 5 g

Oxcarbazepine

**Bioactivity:** Oxcarbazepine inhibits the binding of [3H]BTX to sodium channels with IC50 of 160 μM and also inhibits the influx of 22Na+ into rat brain synaptosomes with IC50 about 100 μM.

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

PF 05089771

**Bioactivity:** PF 05089771 is a Nav1.7 channel blocker extracted from patent WO/2010/079443 A1, compound example 788, has an IC50 of 8.6 nM.

**Purity:** >98%
**Clinical Data:** Phase 2
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 50 mg, 100 mg

PF-01247324

**Bioactivity:** PF-01247324 is a selective and orally bioavailable Na1.8 channel blocker with an IC_{50} of 196 nM for recombinant human Na1.8 channel.

**Purity:** 98.03%
**Clinical Data:** No Development Reported
**Size:** 10mM x 1mL in DMSO, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg
**PH-064**  
Cat. No.: HY-10499

**Bioactivity:** PH-064 is a sodium channel inhibitor extracted from patent FR 2879460 A1.

**Purity:** >98%  
**Clinical Data:** No Development Reported  
**Size:** 5 mg, 10 mg, 50 mg, 100 mg

---

**Phenytoin (5,5-Diphenylhydantoin)**  
Cat. No.: HY-B0448

**Bioactivity:** Phenytoin is an inactive voltage-gated sodium channel stabilizer.

**Purity:** 99.55%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 1 g, 5 g

---

**Phenytoin sodium (5,5-Diphenylhydantoin sodium salt)**  
Cat. No.: HY-B0448A

**Bioactivity:** Phenytoin sodium is an inactive voltage-gated sodium channel stabilizer.

**Purity:** 99.50%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 1 g, 5 g

---

**Propafenone D7 hydrochloride**  
Cat. No.: HY-B0432AS

**Bioactivity:** Propafenone D7 hydrochloride is the deuterium labeled Propafenone, which is a classic anti-arrhythmic medication.

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

---

**Propafenone hydrochloride**  
Cat. No.: HY-B0432A

**Bioactivity:** Propafenone Hydrochloride is a class of anti-arrhythmic medication, which treats illnesses associated with rapid heart beats such as atrial and ventricular arrhythmias.

**Purity:** 99.44%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 1 g, 5 g

---

**Proparacaine Hydrochloride (Proxymetacaine Hydrochloride)**  
Cat. No.: HY-66012

**Bioactivity:** Proparacaine Hydrochloride is a voltage-gated sodium channels antagonist with ED50 of 3.4 mM.

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

---

**Propoxycaine hydrochloride**  
Cat. No.: HY-81243

**Bioactivity:** Propoxycaine hydrochloride is the hydrochloride salt form of Proxymetacaine, a para-aminobenzoic acid ester with local anesthetic activity.

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

---

**Ranolazine dihydrochloride (RS 43285)**  
Cat. No.: HY-17401

**Bioactivity:** Ranolazine(RS-43285) is an antianginal agent with antiarrhythmic properties that achieves its effects via a novel mechanism of action (inhibition of the late phase of the inward sodium current), without affecting heart rate or blood pressure (BP)

**Purity:** 99.86%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 200 mg, 500 mg, 1 g, 5 g

---

**Ranolazine (CVT 303; RS 43285-003)**  
Cat. No.: HY-B0280

**Bioactivity:** Ranolazine is an antianginal medication.

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

---

**Riluzole (PK 26124)**  
Cat. No.: HY-B0211

**Bioactivity:** Riluzole is a glutamate antagonist used as an anticonvulsant and to prolong the survival of patients with amyotrophic lateral sclerosis.

**Purity:** 99.48%  
**Clinical Data:** Launched  
**Size:** 10mM x 1mL in DMSO, 100 mg, 500 mg

---

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<table>
<thead>
<tr>
<th><strong>Rimeporide hydrochloride</strong></th>
<th><strong>Cat. No.: HY-19273A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Rimeporide hydrochloride is a potent and selective inhibitor of the Na(^+)/H(^+) exchanger (NHE-1).</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</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Ropivacaine hydrochloride monohydrate</strong></th>
<th><strong>Cat. No.: HY-80563A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Ropivacaine HCl is an anaesthetic agent and blocks impulse conduction in nerve fibres through inhibiting sodium ion influx reversibly.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.25%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in Water, 10 mg, 50 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Sodium Channel inhibitor 1</strong></th>
<th><strong>Cat. No.: HY-15736</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Sodium Channel inhibitor1, one of 3-Oxoisindoline-1-carboxamides, is a novel and selective voltage-gated sodium channel for pain treatment.</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>Sodium ionophore III (ETH2120)</strong></th>
<th><strong>Cat. No.: HY-101109</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Sodium ionophore III (ETH2120) is a Na(^+) ionophore suitable for the assay of sodium activity in blood, plasma, serum, etc.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>98.07%</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, 100 mg, 200 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tenapanor (AZD1722; RDX5791)</strong></th>
<th><strong>Cat. No.: HY-15991</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Tenapanor is an inhibitor of the Na(^+)/H(^+) exchanger NHE3 with IC(_{50}) values of 5 and 10 nM against human and Rat NHE3, respectively.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>98.80%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 3</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 2 mg, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tetracaine (Amethocaine)</strong></th>
<th><strong>Cat. No.: HY-A0079</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Tetracaine is a topical local anesthetic for the eyes; works by interfering with entry of sodium ions into nerve cells.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.62%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Launched</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>10mM x 1mL in DMSO, 1 g, 5 g</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tetrodotoxin (TTx)</strong></th>
<th><strong>Cat. No.: HY-12526</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Tetrodotoxin is a highly selective sodium channel blocker, with IC(_{50}) of 33 nM for Nav1.6.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.99%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 3</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>1 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Tetrodotoxin citrate (TTx citrate)</strong></th>
<th><strong>Cat. No.: HY-12526A</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Tetrodotoxin citrate is a highly selective sodium channel blocker, with IC(_{50}) of 33 nM for Nav1.6.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>&gt;98%</td>
</tr>
<tr>
<td><strong>Clinical Data:</strong></td>
<td>Phase 3</td>
</tr>
<tr>
<td><strong>Size:</strong></td>
<td>1 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Triamterene</strong></th>
<th><strong>Cat. No.: HY-80575</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Triamterene blocks epithelial Na(^+) channel (ENaC) in a voltage-dependent manner, which used as a mild diuretic.</td>
</tr>
<tr>
<td><strong>Purity:</strong></td>
<td>99.87%</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, 500 mg</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Triamterene D5</strong></th>
<th><strong>Cat. No.: HY-80575S</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Bioactivity:</strong></td>
<td>Triamterene D5 is deuterium labeled Triamterene, which can block epithelial Na(^+) channel (ENaC) in a voltage-dependent manner, which used as a mild diuretic.</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</td>
</tr>
</tbody>
</table>
Trichlormethiazide

Cat. No.: HY-80235

**Bioactivity:** Trichlormethiazide is a thiazide diuretic with properties similar to those of hydrochlorothiazide.

**Purity:** 98.67%

**Clinical Data:** Launched

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

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Vinpocetine

(Ethyl apovincaminate)

Cat. No.: HY-13295

**Bioactivity:** Vinpocetine (Cavinton; Ethyl apovincaminate) is a selective for PDE1 (IC50 = 21 μM). Also blocks voltage-gated Na+ channels.

**Purity:** >98%

**Clinical Data:** Launched

**Size:**
- 100 mg, 200 mg, 500 mg

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XEN907

Cat. No.: HY-19958

**Bioactivity:** XEN907 is a novel spirooxindole NaV1.7 blocker, inhibits hNaV1.7 with IC50 of 3 nM.

**Purity:** >98%

**Clinical Data:** No Development Reported

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

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Zonisamide

(AD 810; CI 912)

Cat. No.: HY-B0124

**Bioactivity:** Zonisamide is a 1,2 benzoxazole derivative and the first agent of this chemical class to be developed as an antiepileptic drug.

**Purity:** >98%

**Clinical Data:** Launched

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

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Zonisamide sodium

(AD 810 sodium; CI 912 sodium)

Cat. No.: HY-B0124A

**Bioactivity:** Zonisamide sodium is a 1,2 benzoxazole derivative and the first agent of this chemical class to be developed as an antiepileptic drug.

**Purity:** >98%

**Clinical Data:** Launched

**Size:**
- 200 mg, 500 mg