Palonosetron Hydrochloride

Cat. No.: HY-A0021
CAS No.: 135729-62-3
Molecular Formula: C₁₉H₂₅ClN₂O
Molecular Weight: 332.87
Target: 5-HT Receptor
Pathway: GPCR/G Protein; Neuronal Signaling
Storage: 4°C, protect from light
* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

SOLVENT & SOLUBILITY

In Vitro
DMSO : 6.8 mg/mL (20.43 mM; Need ultrasonic and warming)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>3.0042 mL</td>
<td>15.0209 mL</td>
<td>30.0418 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.6008 mL</td>
<td>3.0042 mL</td>
<td>6.0084 mL</td>
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<tr>
<td></td>
<td>10 mM</td>
<td>0.3004 mL</td>
<td>1.5021 mL</td>
<td>3.0042 mL</td>
</tr>
</tbody>
</table>

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

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

IC50 Value:
Target: 5-HT Receptor
Palonosetron is the most effective of the 5-HT3 antagonists in controlling delayed CINV nausea and vomiting that appear more than 24 hours after the first dose of a course of chemotherapy.

CUSTOMER VALIDATION


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REFERENCES


[5]. Clark, Robin D.; Miller, Aaron B.; Berger, Jacob; Repke, David B.; Weinhardt, Klaus K.; Kowalczk, Bruce A.; Eglen, Richard M.; Bonhaus, Douglas W.; Lee, Chi Ho; et al. 2-(Quinuclidin-3-yl)pyrido[4,3-b]indol-1-ones and isoquinolin-1-ones. Potent conformati

Caution: Product has not been fully validated for medical applications. For research use only.
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