Rapastinel

Cat. No.: HY-16728
CAS No.: 117928-94-6
Molecular Formula: \( \text{C}_{18}\text{H}_{31}\text{N}_{5}\text{O}_{6} \)
Molecular Weight: 413.47
Sequence: Thr-Pro-Pro-Thr-NH2
Sequence Shortening: TPPT-NH2
Target: iGluR
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling
Storage: Powder -20°C 3 years
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro
DMSO : ≥ 32 mg/mL (77.39 mM)
* "≥" means soluble, but saturation unknown.

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.4186 mL</td>
<td>12.0928 mL</td>
<td>24.1856 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.4837 mL</td>
<td>2.4186 mL</td>
<td>4.8371 mL</td>
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<tr>
<td></td>
<td>10 mM</td>
<td>0.2419 mL</td>
<td>1.2093 mL</td>
<td>2.4186 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Rapastinel (GLYX-13) is an N-methyl-D-aspartate receptor (NMDAR) modulator that has characteristics of a glycine site partial agonist. Target: NMDARapastinel is a robust cognitive enhancer and facilitates hippocampal long-term potentiation (LTP) of synaptic transmission in slices.

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