L-701324

Cat. No.: HY-18698
CAS No.: 142326-59-8
Molecular Formula: C₂₁H₁₄ClNO₃
Molecular Weight: 363.79
Target: iGluR
Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling
Storage: Powder -20°C 3 years
        4°C   2 years
        In solvent -80°C 6 months
                -20°C 1 month

SOLVENT & SOLUBILITY

<table>
<thead>
<tr>
<th>Concentration (mM)</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.7488 mL</td>
<td>13.7442 mL</td>
<td>27.4884 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5498 mL</td>
<td>2.7488 mL</td>
<td>5.4977 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2749 mL</td>
<td>1.3744 mL</td>
<td>2.7488 mL</td>
</tr>
</tbody>
</table>

In Vitro DMSO: ≥ 34 mg/mL (93.46 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

SOLVENT & SOLUBILITY

BIOLOGICAL ACTIVITY

Description

L-701324 is an orally active and long-acting anticonvulsant with high affinity and selectivity for the glycine site on the NMDA receptor. Target: NMDA Receptor. L-701324 is a potent, active anticonvulsant with a reduced propensity to activate mesolimbic dopaminergic systems in rodents. L-701324 exhibits a beneficial action in the animal model of parkinsonian rigidity, but not that of parkinsonian akinesia. L-701324 (2.5-40 mg/kg, i.p.) dose-dependently decreased the muscle tone enhanced by haloperidol (1-5 mg/kg, i.p.).

REFERENCES
