**Fluvoxamine**

Cat. No.: B1205  
CAS No.: 54739-18-3  
Formula: C15H21F3N2O2  
M.Wt: 318.33  
CAS No.: 54739-18-3

**Synonyms:** Neurosciene

**Target:** Neuroscience  
**Pathway:** 5-HT Receptor  
**Storage:** Store at -20°C

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### Solvent & Solubility

$\geq 15.92 \text{mg/mL}$ in DMSO

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Solvent</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>3.1414 mL</td>
<td>15.7070 mL</td>
<td>31.4139 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.6283 mL</td>
<td>3.1414 mL</td>
<td>6.2828 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.3141 mL</td>
<td>1.5707 mL</td>
<td>3.1414 mL</td>
</tr>
</tbody>
</table>

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

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### Biological Activity

**Shortsummary**  
Selective serotonin reuptake inhibitor

**IC$_{50}$ & Target**  
**In Vitro**

**Cell Viability Assay**  
Preparation method:  
**Animal experiment**  
Animal models: 5-hydroxytryptamine - depleted mice  
Dosage form: 30 mg/kg, i.p.  
Applications: Fluvoxamine exerts its antiallodynic effects on neuropathic pain via descending 5-HT fibers and spinal 5-HT2A or 5-HT2C receptors, and the antinociception on...
acute mechanical pain via 5-HT3 receptors. The fluvoxamine-induced antiallodynic effect was significantly attenuated in 5-hydroxytryptamine-depleted mice.

Other notes: Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations


References


Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.