Azaphen dihydrochloride monohydrate

Cat. No.: HY-A0022A
CAS No.: 63302-99-8
Molecular Formula: C₁₆H₂₃Cl₂N₅O₂
Molecular Weight: 388.29
Target: Serotonin Transporter
Pathway: Neuronal Signaling
Storage:
- Powder: -20°C 3 years
- 4°C: 2 years
- In solvent:
  - -80°C: 6 months
  - -20°C: 1 month

SOLVENT & SOLUBLITY

In Vitro DMSO: 1 mg/mL (2.58 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td></td>
<td>2.5754 mL</td>
<td>12.8770 mL</td>
<td>25.7539 mL</td>
</tr>
<tr>
<td>5 mM</td>
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<tr>
<td>10 mM</td>
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</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description: Pipofezine (Azafen or Azaphen) is a potent inhibitor of the reuptake of serotonin. IC50 Value: Target: SSRIs Pipofezine is a tricyclic antidepressant (TCA) approved in Russia for the treatment of depression. In addition to its antidepressant action, pipofezine has sedative effects as well, indicating antihistamine activity.

REFERENCES