Zylofuramine

Cat. No.: HY-122477
CAS No.: 3563-92-6
Molecular Formula: \( \text{C}_{14}\text{H}_{21}\text{NO} \)
Molecular Weight: 219.32
Target: Others
Pathway: Others
Storage: Powder
-20°C 3 years
4°C 2 years
In solvent: -80°C 6 months
-20°C 1 month

**SOLVENT & SOLUBILITY**

### In Vitro

DMSO: ≥ 100 mg/mL (455.95 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>1 mM</td>
<td></td>
<td>4.5595 mL</td>
<td>22.7977 mL</td>
<td>45.5955 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.9119 mL</td>
<td>4.5595 mL</td>
<td>9.1191 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.4560 mL</td>
<td>2.2798 mL</td>
<td>4.5595 mL</td>
</tr>
</tbody>
</table>

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

### In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (11.40 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (11.40 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (11.40 mM); Clear solution

**BIOLOGICAL ACTIVITY**

Description: Zylofuramine is a psychomotor stimulant[1].

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

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