Setiptiline

**Cat. No.:** HY-32329  
**CAS No.:** 57262-94-9  
**Molecular Formula:** C₁₉H₁₉N  
**Molecular Weight:** 261.36  
**Target:** 5-HT Receptor  
**Pathway:** GPCR/G Protein; Neuronal Signaling  
**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: 25 mg/mL (95.65 mM; Need ultrasonic)  
H₂O: < 0.1 mg/mL (insoluble)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass (μL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mg</td>
<td>5 mg</td>
</tr>
<tr>
<td>1 mM</td>
<td>3.8261 mL</td>
<td>19.1307 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.7652 mL</td>
<td>3.8261 mL</td>
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<tr>
<td>10 mM</td>
<td>0.3826 mL</td>
<td>1.9131 mL</td>
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</tbody>
</table>

**In Vivo**  
1. Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (95.75 mM); Clear solution

**BIOLOGICAL ACTIVITY**

**Description**  
Setiptiline(Org-8282) is a serotonin receptor antagonist. IC 50 value: Target: 5-HT receptor  
Setiptiline is a tetracyclic antidepressant (TeCA) which acts as a noradrenergic and specific serotonergic antidepressant (NaSSA). Setiptiline acts as a norepinephrine reuptake inhibitor, α2-adrenergic receptor antagonist, and serotonin receptor antagonist, likely at the 5-HT2A, 5-HT2C, and/or 5-HT3 subtypes, as well as an H1 receptor inverse agonist/antihistamine. From Wikipedia.

**REFERENCES**

