Nikethamide

Cat. No.: HY-B1280
CAS No.: 59-26-7
Molecular Formula: C₁₀H₁₄N₂O
Molecular Weight: 178.23
Target: Others
Pathway: Others
Storage: Pure form -20°C 3 years
            4°C 2 years
            In solvent -80°C 6 months
            -20°C 1 month

SOLVENT & SOLUBILITY

In Vitro | H₂O : ≥ 50 mg/mL (280.54 mM)
         | DMSO : < 1 mg/mL (insoluble or slightly soluble)
         | * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent</th>
<th>Mass</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td></td>
<td>5.6107 mL</td>
<td>28.0536 mL</td>
<td>56.1073 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td></td>
<td>1.1221 mL</td>
<td>5.6107 mL</td>
<td>11.2215 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td></td>
<td>0.5611 mL</td>
<td>2.8054 mL</td>
<td>5.6107 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Nikethamide, one of the respiratory central stimulants, is used to treat respiratory failure in clinical practice.

REFERENCES
