9-Aminoacridine

Cat. No.: HY-B1422
CAS No.: 90-45-9
Molecular Formula: C₁₃H₁₀N₂
Molecular Weight: 194.23
Target: HIV; Bacterial
Pathway: Anti-infection
Storage: 4°C, protect from light
* In solvent: -80°C, 6 months; -20°C, 1 month (protect from light)

**SOLVENT & SOLUBILITY**

<table>
<thead>
<tr>
<th>Solvent</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMSO</td>
<td>5.1485 mL</td>
<td>25.7427 mL</td>
<td>51.4854 mL</td>
</tr>
</tbody>
</table>

* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>5.1485 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>1.0297 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.5149 mL</td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

Description

9-Aminoacridine (Aminacrine) is a highly fluorescent dye used as a topical antiseptic and experimentally as a mutagen, an intracellular pH indicator. 9-Aminoacridine is an effective antibacterial agent with caries-disclosing features\[1\].

**REFERENCES**


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