Merbromin

Cat. No.: HY-B0961
CAS No.: 129-16-8
Molecular Formula: C₂₀H₁₀Br₂HgNa₂O₆
Molecular Weight: 752.67
Target: Bacterial
Pathway: Anti-infection
Storage: Powder -20°C 3 years
          -4°C 2 years
          In solvent -80°C 6 months
          -20°C 1 month

Solvent & Solubility

<table>
<thead>
<tr>
<th>Solvent</th>
<th>Mass (mg/mL)</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>H₂O</td>
<td>≥ 50</td>
<td>1.3286</td>
<td>6.6430</td>
<td>13.2860</td>
</tr>
<tr>
<td>DMSO</td>
<td>6.67 (8.86; Need ultrasonic)</td>
<td>0.2657</td>
<td>1.3286</td>
<td>2.6572</td>
</tr>
</tbody>
</table>

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

10 mM 0.1329 mL 0.6643 mL 1.3286 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 0.67 mg/mL (0.89 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 0.67 mg/mL (0.89 mM); Clear solution

BIOLOGICAL ACTIVITY

Description
Merbromin is a xanthene dye.

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