Ampyrone

Cat. No.: HY-B1398  
CAS No.: 83-07-8  
Molecular Formula: C₁₁H₁₃N₃O  
Molecular Weight: 203.24  
Target: COX; Drug Metabolite  
Pathway: Immunology/Inflammation; Metabolic Enzyme/Protease  
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 : ≥ 50 mg/mL (246.01 mM)  
H₂O : 50 mg/mL (246.01 mM; Need ultrasonic)  
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<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>4.9203 mL</td>
<td>24.6015 mL</td>
<td>49.2029 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.9841 mL</td>
<td>4.9203 mL</td>
<td>9.8406 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.4920 mL</td>
<td>2.4601 mL</td>
<td>4.9203 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description  
Ampyrone is a reagent for glucose determination in the presence of peroxidase and phenol.

IC₅₀ & Target  
COX

REFERENCES

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

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