Histone Acetyltransferase Inhibitor II

Cat. No.: HY-100734  
CAS No.: 932749-62-7  
Molecular Formula: C₂₀H₁₆Br₂O₃  
Molecular Weight: 464.15  
Target: Histone Acetyltransferase  
Pathway: Epigenetics  
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>In Vitro</th>
<th>DMSO : ≥ 30 mg/mL (64.63 mM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;≥&quot; means soluble, but saturation unknown.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>2.1545 mL</td>
<td>10.7724 mL</td>
<td>21.5448 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.4309 mL</td>
<td>2.1545 mL</td>
<td>4.3090 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.2154 mL</td>
<td>1.0772 mL</td>
<td>2.1545 mL</td>
</tr>
</tbody>
</table>

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline

Solubility: ≥ 2.5 mg/mL (5.39 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Histone Acetyltransferase Inhibitor II is a potent and cell permeable p300 inhibitor, with an IC₅₀ of 5 µM; Histone Acetyltransferase Inhibitor II can be used in cancer research.

IC₅₀ & Target

IC₅₀: 5 µM (p300)[1]

REFERENCES

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

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