CDK9-IN-1

Cat. No.: HY-13231
CAS No.: 1415559-43-1
Molecular Formula: C₂₆H₂₁N₅O₄S
Molecular Weight: 499.54
Target: CDK; HIV
Pathway: Cell Cycle/DNA Damage; 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>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>2.0018 mL</td>
<td>10.0092 mL</td>
<td>20.0184 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4004 mL</td>
<td>2.0018 mL</td>
<td>4.0037 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2002 mL</td>
<td>1.0009 mL</td>
<td>2.0018 mL</td>
</tr>
</tbody>
</table>

In Vitro
DMSO: 25 mg/mL (50.05 mM; Need ultrasonic)
H₂O: < 0.1 mg/mL (insoluble)

Preparing Stock Solutions

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

BIOLOGICAL ACTIVITY

Description
CDK9-IN-1 is a novel, selective CDK9 inhibitor for the treatment of HIV infection, with an IC₅₀ of 39 nM for CDK9/CycT1, extracted from reference, compound 87.

IC₅₀ & Target
CDK9/CycT1
39 nM (IC₅₀)

In Vitro
CDK9-IN-1 is a potent CDK9 inhibitor that shows high activity against HIV-1 replication[1].

CUSTOMER VALIDATION

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REFERENCES


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