SRX3177

Cat. No.: HY-153894
CAS No.: 2241237-51-2
Molecular Formula: C₃₁H₃₂N₆O₄S
Molecular Weight: 584.69
Target: CDK; Epigenetic Reader Domain; PI3K
Pathway: Cell Cycle/DNA Damage; Epigenetics; PI3K/Akt/mTOR
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 : 25 mg/mL (42.76 mM; Need ultrasonic)

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.7103 mL</td>
<td>8.5515 mL</td>
<td>17.1031 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3421 mL</td>
<td>1.7103 mL</td>
<td>3.4206 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1710 mL</td>
<td>0.8552 mL</td>
<td>1.7103 mL</td>
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</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description SRX3177 is a triple inhibitor of CDK4/6, PI3K, and BRD4, with IC₅₀s of 33 nM (BRD4 BD1), 89 nM (BRD4 BD2), 79 nM (PI3Kα), 83 nM (PI3Kδ), 3.18 μM (PI3Kγ), <2.5 nM (CDK4), 3.3 nM (CDK6), respectively. SRX3177 exerts broad cytotoxic activity against cancer cells, but acts friendly with normal epithelial cells[1].

REFERENCES