PKR-IN-C16

Cat. No.: HY-13977A
CAS No.: 608512-97-6
Molecular Formula: C₁₃H₈N₄OS
Molecular Weight: 268.29
Target: Others
Pathway: Others
Storage: Powder -20°C 3 years
In solvent -80°C 6 months
-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro DMSO : 16.67 mg/mL (62.13 mM; Need ultrasonic)

Preparing Stock Solutions

<table>
<thead>
<tr>
<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>3.7273 mL</td>
<td>18.6365 mL</td>
<td>37.2731 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.7455 mL</td>
<td>3.7273 mL</td>
<td>7.4546 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3727 mL</td>
<td>1.8637 mL</td>
<td>3.7273 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description PKR-IN-C16 is a specific protein kinase (PKR) inhibitor. PKR-IN-C16 is able to inhibit the autophosphorylation of PKR and unlock the translation blockade induced by PKR in primary neuronal cultures.[1]

REFERENCES