RepSox

Cat. No.: A3754
CAS No.: 446859-33-2
Formula: C17H13N5
M.Wt: 287.32

Solvent & Solubility

- Insoluble in H2O;
- ≥14.35 mg/mL in DMSO;
- > 47.9 mg/mL in EtOH with gentle warming.

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Mass (Concentration)</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>3.4804 mL</td>
<td>17.4022 mL</td>
<td>34.8044 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.6961 mL</td>
<td>3.4804 mL</td>
<td>6.9609 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.3480 mL</td>
<td>1.7402 mL</td>
<td>3.4804 mL</td>
</tr>
</tbody>
</table>

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

Biological Activity

- Short summary: ALK5 inhibitor, potent and selective.
- IC50 & Target: 4 nM (ALK5).

Cell Viability Assay

- Cell Line: MEFs
- Preparation method: The solubility of this compound in DMSO is > 14.4 mg/mL. General tips for obtaining a higher concentration: Please warm the tube at 37 °C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored.
25 μ M; 3 days

Reacting conditions: 25 μ M; 3 days

Applications: In MEFs pretreated with RepSox, which were then transfected with Oct4, Klf4 and cMyc, there was no Oct4::GFP+ colony formed. The result showed the TGFβR-1-associated expression of L-Myc was increased by 5-fold after RepSox treatment.

In Vivo

Animal experiment

Applications:

Product Citations


References


Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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