**BIX 02565**

Cat. No.: B1295  
CAS No.: 1311367-27-7  
Formula: C26H30N6O2  
M.Wt: 458.56  
Synonyms:  
Target: PI3K/Akt/mTOR Signaling  
Pathway: S6 Kinase  
Storage: Store at -20°C

### Solvent & Solubility

$\geq 22.95\text{mg/mL}$ in DMSO

<table>
<thead>
<tr>
<th>Mass Concentration</th>
<th>Mass</th>
<th>1mg</th>
<th>5mg</th>
<th>10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td></td>
<td>2.1807 mL</td>
<td>10.9037 mL</td>
<td>21.8074 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td></td>
<td>0.4361 mL</td>
<td>2.1807 mL</td>
<td>4.3615 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td></td>
<td>0.2181 mL</td>
<td>1.0904 mL</td>
<td>2.1807 mL</td>
</tr>
</tbody>
</table>

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

### Biological Activity

**Shortsummary**  
RSK2 inhibitor

**IC₅₀ & Target**

**In Vitro**

**Cell Viability Assay**

<table>
<thead>
<tr>
<th>Preparation method:</th>
<th></th>
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<tbody>
<tr>
<td>Animal experiment</td>
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</tbody>
</table>

**Animal models:**  
Rats model

**Dosage form:**  
1, 3, 10, 30, 100, and 300 mg/kg, p.o. once per day for 4 days

**Applications:**  
BIX 02565 (1, 3, and 10 mg/kg) elicited decreases in both mean arterial pressure and heart rate in anesthetized rats. Moreover, BIX 02565 (30, 100,
and 300 mg/kg) also induced concentration-dependent decreases in mean arterial pressure (MAP) after each daily oral dose in telemetry-instrumented conscious rats.

Other notes: Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations


References


Caution

FOR RESEARCH PURPOSES ONLY.
NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APExBIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.