Desethyl KBT-3022

Cat. No.: HY-U00039  
CAS No.: 101001-72-3  
Molecular Formula: C$_{23}$H$_{20}$N$_{2}$O$_{4}$S  
Molecular Weight: 420.48  
Target: Thrombin  
Pathway: Metabolic Enzyme/Protease  
Storage: Please store the product under the recommended conditions in the COA.

Solvent & Solubility

In Vitro  10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concentration</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 mM</td>
<td>2.3782 mL</td>
<td>11.8912 mL</td>
<td>23.7823 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4756 mL</td>
<td>2.3782 mL</td>
<td>4.7565 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2378 mL</td>
<td>1.1891 mL</td>
<td>2.3782 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description  Desethyl KBT-3022 is the main active metabolite of the new antiplatelet agent, KBT-3022.

In Vitro  Pretreatment with desethyl KBT-3022 0.1, 0.3 and 1 mg/kg, i.v. prolongs the time required to achieve thrombotic occlusion in the femoral artery and inhibits collagen-induced platelet aggregation in whole blood ex vivo, each in a dose-dependent manner. Desethyl KBT-3022 inhibits the thrombin-induced aggregation of washed platelets in a concentration-dependent manner 1–40 μM[1].

REFERENCES


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

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