**PSI-697**

Cat. No.: HY-15526  
CAS No.: 851546-61-7  
Molecular Formula: C₂₁H₁₈ClNO₃  
Molecular Weight: 367.83  
Target: Others  
Pathway: Others  
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: ≥ 45.8 mg/mL (124.51 mM)  
*“≥” means soluble, but saturation unknown.*

<table>
<thead>
<tr>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.7186 mL</td>
<td>13.5932 mL</td>
<td>27.1865 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.5437 mL</td>
<td>2.7186 mL</td>
<td>5.4373 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2719 mL</td>
<td>1.3593 mL</td>
<td>2.7186 mL</td>
</tr>
</tbody>
</table>

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

**BIOLOGICAL ACTIVITY**

**Description**  
PSI-697 is an oral P-selectin inhibitor with an IC₅₀ of 125 μM[1].

**IC₅₀ & Target**  
IC₅₀: 125 μM (P-selectin)[1]

**In Vitro**  
PSI-697 inhibits the binding of a soluble human P-selectin to PSGL-1, in a reproducible concentration-dependent manner inhibiting 50% of binding at a concentration of 125 μM in vitro[1].

**In Vivo**  
PSI-697 (0-50 mg/kg; p.o.) significantly reduces the number of rolling leukocytes by 39% versus vehicle control[1].  
PSI-697 (100 mg/kg; p.o.) reduces thrombus weight by 18% relative to vehicle, without prolonging bleeding time in a rat venous thrombosis model[1].  
PSI-697 (30 mg/kg; p.o.; daily; 6 days) promotes thrombus resolution and decreases inflammation in a baboon model of venous thrombosis[2].  
PSI-697 (30 mg/kg; i.g.; daily) decreases vein wall injury in a rat stenosis model of venous thrombosis[2].
Animal Model: 4-5 weeks male Sprague-Dawley rat (50-100 g)\textsuperscript{1}

Dosage: 0 mg/kg, 30 mg/kg, 50 mg/kg

Administration: Oral administration

Result: At an oral dose of 50 mg/kg reduced the number of rolling leukocytes by 39% versus vehicle control.

Customer Validation


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

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