Suplatast Tosilate

Cat. No.: HY-17002
CAS No.: 94055-76-2
Molecular Formula: C₂₃H₃₃NO₇S₂
Molecular Weight: 499.64
Target: Interleukin Related
Pathway: Immunology/Inflammation
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: ≥ 33 mg/mL (66.05 mM)

*“≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<table>
<thead>
<tr>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>Mass 5 mg</th>
<th>Mass 10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>2.0014 mL</td>
<td>10.0072 mL</td>
<td>20.0144 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.4003 mL</td>
<td>2.0014 mL</td>
<td>4.0029 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.2001 mL</td>
<td>1.0007 mL</td>
<td>2.0014 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Suplatast Tosilate (IPD 1151T) is a Th2 cytokine inhibitor that attenuates IL-2, IL-5 and IL-13 production and has no effect on IFN-γ production. IC50 value:

- Target: Th2 cytokine inhibitor
- Suplatast Tosilate acts as an immunoregulator that suppresses IgE production, eosinophil infiltration and histamine release.
- Suplatast Tosilate (IPD 1151T) exhibits antiasthmatic, anti-inflammatory and antifibrotic activity in vivo and is orally active.

REFERENCES


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

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