**Nepicastat (SYN-117) HCl**

Cat. No.: A4332  
CAS No.: 170151-24-3  
Formula: C14H15F2N3S·HCl  
M.Wt: 331.81  

**Synonyms:**

**Target:** Metabolism  
**Pathway:** Dopamine β-hydroxylase  
**Storage:** Store at -20°C

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**Solvent & Solubility**

<table>
<thead>
<tr>
<th>Concentration</th>
<th>Mass 1mg</th>
<th>Mass 5mg</th>
<th>Mass 10mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>3.0138 mL</td>
<td>15.0689 mL</td>
<td>30.1377 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>0.6028 mL</td>
<td>3.0138 mL</td>
<td>6.0275 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3014 mL</td>
<td>1.5069 mL</td>
<td>3.0138 mL</td>
</tr>
</tbody>
</table>

Insoluble in H2O; insoluble in EtOH; ≥16.6 mg/mL in DMSO

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

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**Biological Activity**

**Shortsummary**
Dopamine-β-hydroxylase inhibitor

**IC₅₀ & Target**
8.5 nM (bovine dopamine-β-hydroxylase), 9 nM (human dopamine-β-hydroxylase)

**In Vitro**

**Cell Viability Assay**

Preparation method:

Animal experiment

Applications:

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**Product Citations**
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. Short term 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.