Heptaminol hydrochloride

Cat. No.: HY-B1231
CAS No.: 543-15-7
Molecular Formula: C₈H₂₀ClNO
Molecular Weight: 181.7
Target: Others
Pathway: Others
Storage: 4°C, sealed storage, away from moisture
* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (550.36 mM)
H₂O : ≥ 100 mg/mL (550.36 mM)
* “≥” means soluble, but saturation unknown.

Preparing Stock Solutions

<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>5.5036 mL</td>
<td>27.5179 mL</td>
<td>55.0358 mL</td>
</tr>
<tr>
<td>5 mM</td>
<td>1.1007 mL</td>
<td>5.5036 mL</td>
<td>11.0072 mL</td>
</tr>
<tr>
<td>10 mM</td>
<td>0.5504 mL</td>
<td>2.7518 mL</td>
<td>5.5036 mL</td>
</tr>
</tbody>
</table>

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

In Vivo

1. Add each solvent one by one: PBS
Solubility: 100 mg/mL (550.36 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Heptaminol hydrochloride is a vasoconstrictor, used in the treatment of low blood pressure, particularly orthostatic hypotension. In vivo: In the rat, Heptaminol hydrochloride prevents orthostatic hypotension, and increases the noradrenaline plasma concentration. In bovine chromaffin cells maintained in primary cultures, Heptaminol hydrochloride is found to be a competitive inhibitor of noradrenaline uptake.[1]

REFERENCES

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

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