## Heptaminol hydrochloride

**Cat. No.:** HY-B1231  
**CAS No.:** 543-15-7  
**Molecular Formula:** C₈H₂₀ClNO  
**Molecular Weight:** 181.7  
**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

<table>
<thead>
<tr>
<th>Solvent</th>
<th>DMSO</th>
<th>≥ 100 mg/mL (550.36 mM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Vitro</td>
<td></td>
<td>“≥” means soluble, but saturation unknown.</td>
</tr>
</tbody>
</table>

#### 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.

### 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


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

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