Cinepazide Maleate

Cat. No.: HY-66010
CAS No.: 26328-04-1
Molecular Formula: C₂₆H₃₅N₃O₉
Molecular Weight: 533.57
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 10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<th>Solvent Concentration</th>
<th>Mass 1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 mM</td>
<td>1.8742 mL</td>
<td>9.3708 mL</td>
<td>18.7417 mL</td>
</tr>
<tr>
<td></td>
<td>5 mM</td>
<td>0.3748 mL</td>
<td>1.8742 mL</td>
<td>3.7483 mL</td>
</tr>
<tr>
<td></td>
<td>10 mM</td>
<td>0.1874 mL</td>
<td>0.9371 mL</td>
<td>1.8742 mL</td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description
Cinepazide Maleate is a vasodilator. Target: Others Cinepazide maleate is a maleate salt form of cinepazide which is a vasodilator. Cinepazide (30 mg/kg, i.v.) potentiated the vertebral vasodilator response of dogs to intravertebral adenosine and cyclic AMP. Intravertebral cinepazide (1-10 mg) increased vertebral blood flow in a dose-related manner and the effect was partially inhibited by intravenous pretreatment with aminophylline but not by pretreatment with autonomic antagonists. Cinepazide resembled cinnarizine and papaverine in that the drug antagonized rabbit aortic contraction induced by KCl, norepinephrine or CaCl₂ [1]. Cinepazide in concentrations ranging from 10⁻⁶ to 10⁻⁵M augmented the relaxing responses to ATP, adenosine and cAMP. However, this agent did not affect the relaxations induced by isoproterenol and papaverine and the contractions induced by 5-HT, prostaglandin F₂α and ATP. cinepazide selectively potentiates the relaxing response mediated through purinergic P₁ receptors [2].

REFERENCES