Fenspiride Hydrochloride

Cat. No.: HY-A0027
CAS No.: 5053-08-7
Molecular Formula: C₁₅H₂₁ClN₂O₂
Molecular Weight: 296.79
Target: Adrenergic Receptor; Histamine Receptor
Pathway: GPCR/G Protein; 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 10 mM in DMSO

<table>
<thead>
<tr>
<th>Preparing Stock Solutions</th>
<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>3.3694 mL</td>
<td>16.8469 mL</td>
<td>33.6939 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.6739 mL</td>
<td>3.3694 mL</td>
<td>6.7388 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.3369 mL</td>
<td>1.6847 mL</td>
<td>3.3694 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description

Fenspiride Hcl is an α adrenergic and H1 histamine receptor antagonist IC50 value: Target: Adrenergic receptor; H1 receptor
Fenspiride hydrochloride is a bronchodilator with anti-inflammatory properties. Fenspiride hydrochloride inhibits mucus secretion and reduces the release of tachykinins at a prejunctional level. Fenspiride hydrochloride also may be an antagonist at α adrenergic and H1 histamine receptors.

REFERENCES


[5]. Fenspiride

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

Tel: 609-228-6898  Fax: 609-228-5909  E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA