Levalbuterol tartrate

Cat. No.: HY-17457
CAS No.: 661464-94-4
Molecular Formula: \( C_{30}H_{48}N_2O_{12} \)
Molecular Weight: 628.71
Target: Adrenergic Receptor
Pathway: GPCR/G Protein
Storage: Please store the product under the recommended conditions in the COA.

Solvent & Solubility

<table>
<thead>
<tr>
<th>Solvent &amp; Mass</th>
<th>Concentration</th>
<th>1 mg</th>
<th>5 mg</th>
<th>10 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 mM</td>
<td>1.5906 mL</td>
<td>7.9528 mL</td>
<td>15.9056 mL</td>
<td></td>
</tr>
<tr>
<td>5 mM</td>
<td>0.3181 mL</td>
<td>1.5906 mL</td>
<td>3.1811 mL</td>
<td></td>
</tr>
<tr>
<td>10 mM</td>
<td>0.1591 mL</td>
<td>0.7953 mL</td>
<td>1.5906 mL</td>
<td></td>
</tr>
</tbody>
</table>

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

BIOLOGICAL ACTIVITY

Description

Levosalbutamol tartrate (levalbuterol) is the R-enantiomer of the short-acting \( \beta_2 \)-adrenergic receptor agonist salbutamol. IC50 Value: Target: \( \beta_2 \)-adrenergic receptor
Levosalbutamol and salbutamol produced significantly better bronchodilator responses than placebo. Both the drugs showed equivalent time-dependent bronchodilator responses as measured by area under curve for percent change in FEV(1) and FVC over 6h. The time to onset of action, mean maximum bronchodilator response and duration of bronchodilator response were similar between levosalbutamol and salbutamol [1].

REFERENCES


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