Sodium gualenate

Cat. No.: HY-B2191
CAS No.: 6223-35-4
Molecular Formula: C₁₅H₁₇NaO₃S
Molecular Weight: 300.35
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>In Vitro</th>
<th>DMSO : 30 mg/mL (99.88 mM; Need ultrasonic and warming)</th>
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<tbody>
<tr>
<td>Preparing Stock Solutions</td>
<td>Solvent Mass</td>
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<td>Preparing Stock Solutions</td>
<td>Concentration</td>
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Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description: Sodium gualenate (Guaiazulenesulfonate sodium) is a hydrophilic derivative of guaiazulene with excellent anti-inflammatory and wound-healing effects mainly used for the treatment of duodenal ulcer, gastric ulcer and gastritis.

In Vitro: Sodium gualenate is an unstable compound, which is gradually decomposed in the solid state at room temperature. When heated, Sodium gualenate decomposes almost completely within 1 week. It was found that a kneaded mixture of Sodium gualenate and cornstarch (weight ratio: 1:250) for tableting with water is stable. So, during production, Sodium gualenate could be stabilized using water[1]. Sodium gualenate slightly inhibits the histamine release from rat peritoneal mast cells and strongly inhibits the leukocyte emigration induced by fMLP[2].

In Vivo: Sodium gualenate has been frequently used for the treatment of human gastritis. Cytoprotection is defined as the main mechanism of Sodium gualenate to protect the mucosa of the stomach and the antipeptic actions in vivo have also been shown[2].
REFERENCES


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