

Sodium gualenate

Catalog No: tcsc7928



Available Sizes

Size: 100mg



Specifications

CAS No:

6223-35-4

Formula:

$C_{15}H_{17}NaO_3S$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : 30 mg/mL (99.88 mM; Need ultrasonic and warming)

Alternative Names:

Guaiazulenesulfonate sodium

Observed Molecular Weight:

300.35

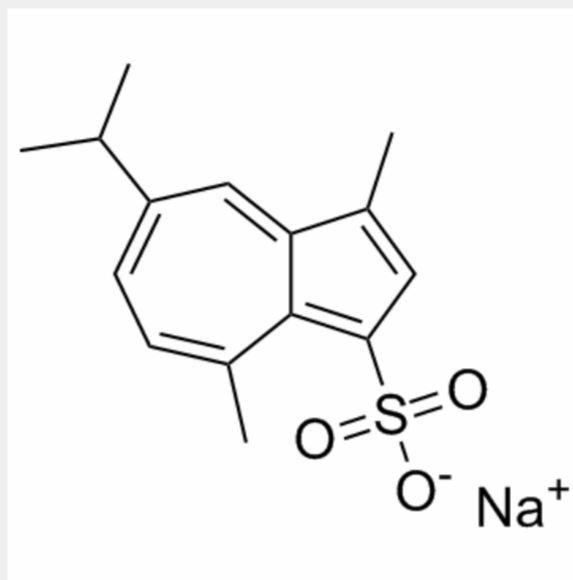
Product Description

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 guaienate could be stabilized using water^[1]. Sodium guaienate slightly inhibits the histamine release from rat peritoneal mast cells and strongly inhibits the leukocyte emigration induced by fMLP^[2].

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



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