

## Product Data Sheet

Product Name: Nesosteine

Cat. No.: GC73812

### Chemical Properties

Cas. No. 84210-62-8

Formula  $C_{11}H_{10}NNaO_3S$

M.Wt 259.26

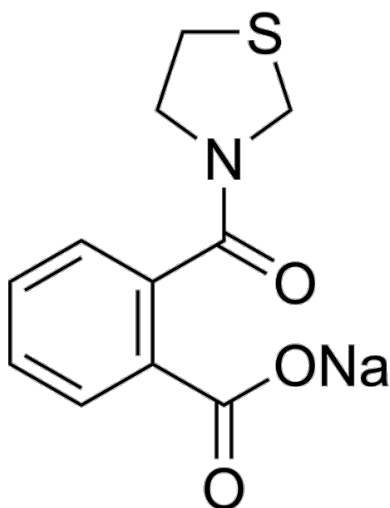
Solubility

Storage 4°C, sealed storage, away from moisture and light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

Nesosteine is a bronchitis inhibitor that improves the rheology and production of airway bronchial mucus in rabbits. Nesosteine significantly reduced the viscosity of airway bronchial mucus in animals with sulfuric acid nebulized bronchitis and increased mucus production in healthy animals. Nesosteine is more active than mucus-regulating drugs such as Sobrerol, N-acetylcysteine, bromhexine, ambroxol, S-carboxymethylcysteine, and mercaptoalanine. Nesosteine also reduced the content of total

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

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proteins in airway bronchial mucus, such as albumin,  $\alpha 1$ ,  $\alpha 2$ ,  $\beta$ , and  $\gamma$  mucins.

### References:

[1]. Scuri R, et al. Nesosteine: a new mucoregulatory agent. *Drugs Exp Clin Res.* 1986;12(8):663-70.

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