

Erdosteine

Chemical Properties

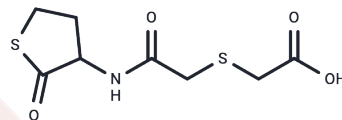
CAS No. : 84611-23-4

Formula: C₈H₁₁NO₄S₂

Molecular Weight: 249.31

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Erdosteine (RV 144) is a homocysteine-derived thiol derivative with mucolytic and free radical scavenging properties. Erdosteine and its metabolites modulate mucus production and viscosity, by which facilitating mucociliary transport and improving expectoration. This agent also suppresses the chemical-induced cough reflex as well as protects lung tissues from damages caused by cigarette smoking mediated through free radicals scavenging.
Targets(IC50)	NF-κB,Antibacterial,Adenosine Deaminase

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 10 mg/mL (40.11 mM),Sonication is recommended. DMSO: 50 mg/mL (200.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0111 mL	20.0554 mL	40.1107 mL
5 mM	0.8022 mL	4.0111 mL	8.0221 mL
10 mM	0.4011 mL	2.0055 mL	4.0111 mL
50 mM	0.0802 mL	0.4011 mL	0.8022 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Yilmaz HR, et al. Toxicol Ind Health. 2008 Sep;24(8):519-24.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481