



LKT Laboratories, Inc.

Erdosteine

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Product Information

Product ID E6814

CAS No. 84611-23-4

Chemical Name [[2-Oxo-2-[(tetrahydro-2-oxo-3-thienyl)amino]ethyl]- thio] acetic acid

Synonym RV-144, Secresolv

Formula C₈H₁₁NO₄S₂

Formula Wt. 249.31

Melting Point 156-158 °C

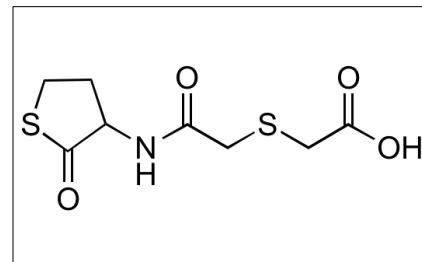
Purity ≥98%

Solubility Slightly soluble in water, methanol or ethanol.

Store Temp Ambient

Ship Temp Ambient

Description Erdosteine is a thiol derivative that is clinically used to treat bronchitis and chronic obstructive lung diseases; it exhibits mucolytic, antioxidative, and anti-inflammatory activities. In vitro, erdosteine inhibits H₂O₂-induced oxidative stress and DNA damage in vitro by scavenging ROS. Additionally, this compound decreases levels of leukotriene B₄ (LTB₄) and leukotriene E₄ (LTE₄) in clinical subjects with chronic obstructive pulmonary disease (COPD).



Bulk quantities available upon request

Product ID **Size**

E6814 100 mg

E6814 500 mg

E6814 1 g

References Marabini L, Calò R, Braga PC. Protective effect of erdosteine metabolite I against hydrogen peroxide-induced oxidative DNA-damage in lung epithelial cells. *Arzneimittelforschung*. 2011;61(12):700-6. PMID: 22282957.

Dal Negro RW, Visconti M, Tognella S, et al. Erdosteine affects eicosanoid production in COPD. *Int J Clin Pharmacol Ther*. 2011 Jan;49(1):41-5. PMID: 21176724.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.