



LKT Laboratories, Inc.

Prothionamide

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Product Information

Product ID P6959

CAS No. 14222-60-7

Chemical Name 2-Propyl-4-pyridinecarbothioamide

Synonym Prothionamide, Ektebin, Tuborex, Peteha, Trevintix

Formula C₉H₁₂N₂S

Formula Wt. 180.27

Melting Point 142° C

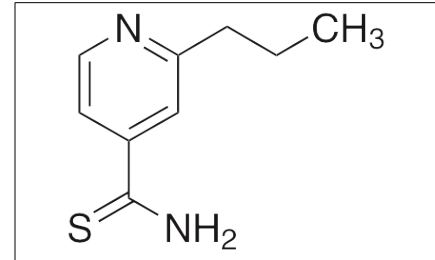
Purity ≥98%

Solubility Soluble in ethanol and methanol. Slightly soluble in ether and chloroform. Insoluble in water.

Store Temp Ambient

Ship Temp Ambient

Description Prothionamide is an antibacterial compound that is clinically used to treat *Mycobacterium*-based diseases such as tuberculosis and leprosy. Prothionamide forms adducts with nicotinamide adenine dinucleotide (NAD), inhibiting InhA and preventing synthesis of mycolic acids.



Bulk quantities available upon request

Product ID	Size
P6959	1 g
P6959	5 g
P6959	25 g

References Shim TS, Jo KW. Medical Treatment of Pulmonary Multidrug-Resistant Tuberculosis. *Infect Chemother.* 2013 Dec;45(4):367-374. PMID: 24475350.

Wang F, Langley R, Gulten G, et al. Mechanism of thioamide drug action against tuberculosis and leprosy. *J Exp Med.* 2007 Jan 22;204(1):73-8. PMID: 17227913.

Fajardo TT, Guinto RS, Cellona RV, et al. A clinical trial of ethionamide and prothionamide for treatment of lepromatous leprosy. *Am J Trop Med Hyg.* 2006 Mar;74(3):457-61. PMID: 16525107.

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