



## Product Information

**Product ID** P6959

**CAS No.** 14222-60-7

**Chemical Name** 2-Propyl-4-pyridinecarbothioamide

**Synonym** Prothionamide, Ektebin, Tubex, Peteha, Trevintix

**Formula** C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>S

**Formula Wt.** 180.27

**Melting Point** 142 °C

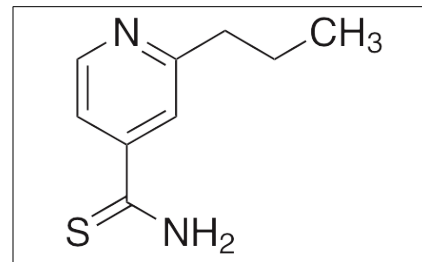
**Purity** ≥98%

**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. TEST!!!!!!



## Pricing and Availability

**Bulk quantities available upon request**

Product ID	Size	List Price
P6959	1 g	\$74.90
P6959	5 g	\$119.90
P6959	25 g	\$374.60

**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.