

Prothionamide

Catalog No: tcsc2345



Available Sizes

Size: 100mg

Size: 500mg



Specifications

CAS No:
14222-60-7

Formula:
 $C_9H_{12}N_2S$

Pathway:
Anti-infection

Target:
Bacterial

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Alternative Names:
Protionamide

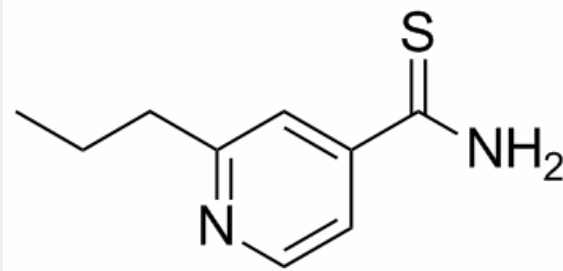
Observed Molecular Weight:
180.27

Product Description

Protionamide (or prothionamide) is a drug used in the treatment of tuberculosis; has also been tested for use in the treatment of leprosy.

Target: Anti tuberculosis

Although ETH and PTH are both potent drugs against *M. tuberculosis* (MIC = ≤ 0.5 $\mu\text{g/ml}$) (24), they do not affect *E. coli* growth, even at very high concentrations (100 $\mu\text{g/ml}$), which is primarily caused by the absence of an EthA homologue in *E. coli* [1]. Clinical improvement was noted in 74% of the patients treated with ethionamide and in 83% of those treated with prothionamide. Therapy was well tolerated and drug-related hepatotoxicity did not require discontinuation of therapy. The 500-mg dose of both ethionamide and prothionamide resulted in loss in *Mycobacterium leprae* viability more rapidly than did the 250-mg dose, and prothionamide at both dose levels was superior to the equivalent dose of ethionamide [2].



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