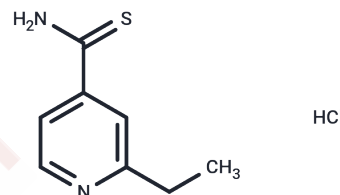


Ethionamide HCl

Chemical Properties

CAS No. :	3684-73-9
Formula:	C ₈ H ₁₁ ClN ₂ S
Molecular Weight:	202.7
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ethionamide HCl is the salt form of Ethionamide, a second-line antitubercular agent that inhibits mycolic acid synthesis. Ethionamide is a nicotinamide derivative, with antibacterial activity, used to treat tuberculosis. Although the exact mechanism of action of ethionamide is unknown, it may inhibit the synthesis of mycolic acid, a saturated fatty acid found in the bacterial cell wall, thereby inhibiting bacterial cell wall synthesis. This eventually leads to bacterial cell wall disruption and cell lysis. Ethionamide may be bacteriostatic or bactericidal in action, depending on the concentration of the drug at the site of infection and the susceptibility of the organism involved. It binds with NAD ⁺ to form an adduct.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9334 mL	24.667 mL	49.334 mL
5 mM	0.9867 mL	4.9334 mL	9.8668 mL
10 mM	0.4933 mL	2.4667 mL	4.9334 mL
50 mM	0.0987 mL	0.4933 mL	0.9867 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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