

Product Name:	Ethionamide
Product Number:	E010
CAS Number:	536-33-4
Molecular Formula:	$C_8H_{10}N_2S$
Molecular Weight:	166.24
Form:	Powder
Appearance:	Yellow Crystalline Powder
Melting Point:	160-162°C
Description:	Ethionamide is a sparingly soluble (0.839 mg/mL) thioamide anti- <i>Mycobacterium</i> antibiotic.
Mechanism of Action:	Ethionamide is thought to interfere with the synthesis of mycolic acids, an essential fatty acid component found in <i>Mycobacterium</i> cell walls.
Spectrum:	Ethionamide targets <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium leprae</i> responsible for tuberculosis and leprosy respectively.
References:	Mizuno, S., and et al. "The Mechanism of Action of Ethionamide." American Review of Respiratory Disease 89 (1964): 933-35. www.ncbi.gov. Web. 30 Aug. 2012.