

Ethambutol, (R,R)-

Chemical Properties

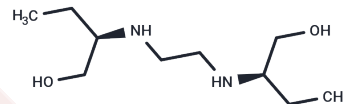
CAS No. : 10054-05-4

Formula: C₁₀H₂₄N₂O₂

Molecular Weight: 204.31

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	Ethambutol, (R, R)- can be used to treat tuberculosis. It is usually used in combination with other tuberculosis medications. It may also be used to treat Mycobacterium avium complex, and Mycobacterium kansasii.
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8945 mL	24.4726 mL	48.9452 mL
5 mM	0.9789 mL	4.8945 mL	9.789 mL
10 mM	0.4895 mL	2.4473 mL	4.8945 mL
50 mM	0.0979 mL	0.4895 mL	0.9789 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.

Reference

- Srivastava S, Gumbo T. Clofazimine for the treatment of Mycobacterium kansasii. Antimicrob Agents Chemother. 2018 May 29. pii: AAC.00248-18. doi: 10.1128/AAC.00248-18. [Epub ahead of print] PubMed PMID: 29844047.
- Vaghela JH, Nimbark V, Barvaliya M, Mehta H, Chavada B. Antituberculosis Drug-Induced Fixed Drug Eruption: A Case Report. Drug Saf Case Rep. 2018 May 21;5(1):23. doi: 10.1007/s40800-018-0086-z. PubMed PMID: 29785553; PubMed Central PMCID: PMC5962523.
- Lee JY, Han J, Seo JG, Park KA, Oh SY. Diagnostic value of ganglion cell-inner plexiform layer for early detection of ethambutol-induced optic neuropathy. Br J Ophthalmol. 2018 Apr 26. pii: bjophthalmol-2018-312063. doi: 10.1136/bjophthalmol-2018-312063. [Epub ahead of print] PubMed PMID: 29699978.
- Rezaei F, Haeili M, Fooladi AI, Feizabadi MM. High Resolution Melting Curve Analysis for Rapid Detection of Streptomycin and Ethambutol Resistance in Mycobacterium tuberculosis. Maedica (Buchar). 2017 Dec;12(4):246-257. PubMed PMID: 29610587; PubMed Central PMCID: PMC5879581.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481