

Product Name:	Ethambutol
Product Number:	E009
CAS Number:	74-55-5
Molecular Formula:	$C_{10}H_{24}N_2O_2$
Molecular Weight:	204.31
Form:	Powder
Appearance:	White crystalline powder
Source:	Synthetic
Melting Point:	199-204°C
Storage Conditions:	2-8°C
Description:	Ethambutol is a unique slightly soluble (7.58 mg/mL) antitubercular antibiotic which inhibits cell wall formation in <i>Mycobacterium</i> species.
Mechanism of Action:	Ethambutol inactivates arabinosyl transferase, an enzyme responsible for transporting mycolic acids to the cell wall. Without this enzyme, cell permeability is increased leaving the organism vulnerable to toxic matter.
Spectrum:	Ethambutol targets primarily species of the <i>Mycobacterium</i> genus including <i>Mycobacterium tuberculosis</i> .