

Ethambutol Hydrochloride

September 28, 2025 • vajiramandravi.com



Ethambutol Hydrochloride Latest News

India recently launched an anti-dumping investigation on imports of tuberculosis drug Ethambutol Hydrochloride from China and Thailand.

About Ethambutol Hydrochloride

- It is an **antibacterial prescription medicine** used for the treatment of **tuberculosis (TB)**.
- It is a **synthetic, water soluble, heat stable** compound.
- It is specifically **effective against actively growing microorganisms of the genus Mycobacterium** including **M. tuberculosis**.
- It is used to combat both pulmonary and extrapulmonary tuberculosis.
- **Mechanism:**
 - Ethambutol (HCl) specifically **targets the synthesis of the cell wall in M. tuberculosis**.
 - By interfering with the polymerization of arabinogalactan, a key component of the mycobacterial cell wall, Ethambutol **disrupts the structural integrity of the bacteria**, leading to its demise.

- Its unique mode of action is **fundamental in combination therapies**, where it is often used in conjunction with other anti-tubercular drugs to prevent resistance and enhance efficacy.
- **Resistance to ethambutol emerges rapidly when the drug is used alone.** Therefore **ethambutol** is **always given in combination with other antituberculosis drugs.**

Source: TH

Source: <https://vajiramandravi.com/current-affairs/ethambutol-hydrochloride/>

© Vajiram & Ravi. For personal use only.