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Delamanid

National Cancer Institute

Source

National Cancer Institute. *Delamanid*. NCI Thesaurus. Code C157406.

A nitro-dihydro-imidazooxazole derivative, with antimycobacterial activity. Upon oral administration, delamanid, a prodrug, is activated via the mycobacterial F420 coenzyme system to form a reactive intermediate metabolite that inhibits the synthesis of the mycobacterial cell wall components methoxy-mycolic and keto-mycolic acid. This leads to the depletion of these cell wall components and destruction of mycobacteria.