
Delamanid (OPC-67683)

产品编号: D51668

CAS: 681492-22-8

分子式: C₂₅H₂₅F₃N₄O₆

纯度: ≥98%

InChi: InChI=1S/C₂₅H₂₅F₃N₄O₆/c1-24(15-31-14-22(32(33)34)29-23(31)38-24)16-35-18-4-2-17(3-5-18)30-12-10-20(11-13-30)36-19-6-8-21(9-7-19)37-25(26,27)28/h2-9,14,20H,10-13,15-16H₂,1H₃/t24-/m1/s1

InChi Key: XDAOLTSRNUSPPH-XMMPPIXPASA-N

Smiles: C[C@]1(COC2C=CC(=CC=2)N2CCC(CC2)OC2C=CC(=CC=2)OC(F)(F)F)CN2C=C(N=C2O1)[N+](=[O-])=O

外观: 固体粉末

作用通路: Antibiotic

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Delamanid, also known as OPC-67683, is a drug for the treatment of multi-drug-resistant tuberculosis. It works by blocking the synthesis of mycolic acids in Mycobacterium tuberculosis, the organism which causes tuberculosis, thus destabilising its cell wall. The drug is approved in the EU. Delamanid inhibits the synthesis of mycolic acids, crucial component of the cell wall of the Mycobacterium tuberculosis complex. Delamanid is insoluble in water and its activity was proven in several in vitro and in vivo studies. Its bactericidal activity was demonstrated in individuals with drug-susceptible and drug-resistant tuberculosis (MDR- and XDR-TB).