

Product Name : PA-824

Synonyms : PA824; PA 824; Pretomanid; (S)-PA 824

Cat No. : M12898

CAS Number : 187235-37-6

Molecular Formula : C₁₄H₁₂F₃N₃O₅

Formula Weight : 359.26

Chemical Name : 5H-Imidazo[2,1-b][1,3]oxazine, 6,7-dihydro-2-nitro-6-[[4-(trifluoromethoxy)phenyl]methoxy]-, (6S)-

Description : A anti-tuberculosis agent that inhibits the synthesis of protein and cell wall lipid; exhibits bactericidal activity against both replicating and static M. tuberculosis (MIC: 0.015-0.25 ug/mL); shows potent bactericidal activity against MDR M. tuberculosis and promising oral activity in animal infection models.

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : tuberculosis

Solubility : DMSO: ≥ 33 mg/mL

SMILES : FC(F)(F)OC1=CC=C(C=C1)CO[C@H]2CN3C(OC2)=NC([N+])([O-])=O=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Stover CK, et al. Nature. 2000 Jun 22;405(6789):962-6. 2. Tyagi S, et al. Antimicrob Agents Chemother. 2005 Jun;49(6):2289-93. 3. Lenaerts AJ, et al. Antimicrob Agents Chemother. 2005 Jun;49(6):2294-301.

