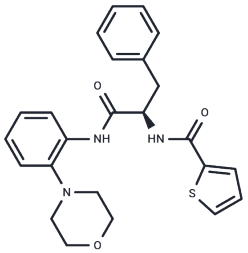
Data Sheet (Cat.No.T73271)

TargetMol

MMV688845

Chemical Properties



CAS No. : 2208962-35-8

Formula: C24H25N3O3S

Molecular Weight: 435.54

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	MMV688845 is a bactericidal nontuberculous mycobacteria (NTM) RNA polymerase inhibitor that exhibits anti-tuberculosis efficacy and is effective against Mycobacterium abscessus.
Targets(IC50)	Antibacterial,DNA/RNA Synthesis
In vitro	MMV688845 dose-dependently inhibits the growth of M. abscessus (ATCC 19977) with an MIC of 9.3 uM [1].

Solubility Information

Solubility	DMSO: 200 mg/mL (459.2 mM),Sonication is recommmended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.296 mL	11.480 mL	22.960 mL
5 mM	0.4592 mL	2.296 mL	4.592 mL
10 mM	0.2296 mL	1.148 mL	2.296 mL
50 mM	0.0459 mL	0.2296 mL	0.4592 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang C, Xia J, Lei Y, et al. Synthesis and biological evaluation of 7H-pyrrolo [2,3-d] pyrimidine derivatives as potential p21-activated kinase 4 (PAK4) inhibitors. Bioorg Med Chem. 2022;60:116700.

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