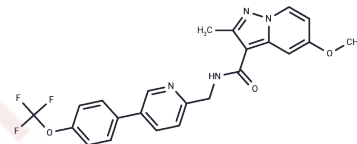


## anti-TB agent 1

## Chemical Properties

CAS No. :	2294013-78-6
Formula:	C <sub>23</sub> H <sub>19</sub> F <sub>3</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	456.42
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	Anti-TB agent 1 is a potent and orally active anti-tuberculosis compound (MICs: < 2 nM against the Mtb strains H37Rv, rRMP, and rINH).
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	DMSO: 9 mg/mL (19.72 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.191 mL	10.9548 mL	21.9096 mL
5 mM	0.4382 mL	2.191 mL	4.3819 mL
10 mM	0.2191 mL	1.0955 mL	2.191 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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

Hu X, et al. Identification of Pyrazolo[1,5-a]pyridine-3-carboxamide Diaryl Derivatives as Drug Resistant Antituberculosis Agents. ACS Med Chem Lett. 2019 Feb 21;10(3):295-299.

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