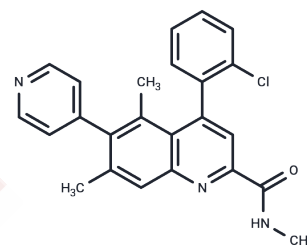


## FadD32 Inhibitor-1

## Chemical Properties

CAS No. :	2081969-24-4
Formula:	C <sub>24</sub> H <sub>20</sub> ClN <sub>3</sub> O
Molecular Weight:	401.89
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	FadD32 inhibitor -1 has anti-tuberculosis activity and is an effective FadD32 inhibitor.
Targets(IC50)	Others,Antibacterial
In vitro	FadD32 Inhibitor-1 demonstrates inhibitory activity against Mycobacterium tuberculosis, exhibiting an MIC90 of 0.8 μM.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4882 mL	12.4412 mL	24.8824 mL
5 mM	0.4976 mL	2.4882 mL	4.9765 mL
10 mM	0.2488 mL	1.2441 mL	2.4882 mL
50 mM	0.0498 mL	0.2488 mL	0.4976 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

Fang C, et al. Discovery of heterocyclic replacements for the coumarin core of anti-tubercular FadD32 inhibitors. Bioorg Med Chem Lett. 2018 Dec 1;28(22):3529-3533.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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