

## Mtb-cyt-bd oxidase-IN-4

## Chemical Properties

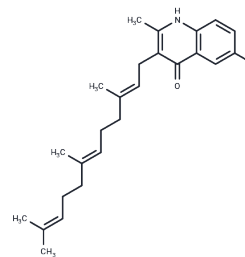
CAS No. :

Formula: C<sub>25</sub>H<sub>32</sub>FNO

Molecular Weight: 381.53

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	Mtb-cyt-bd oxidase-IN-4, an inhibitor of Mycobacterium tuberculosis cytochrome bd oxidase (Mtb cyt-bd oxidase), demonstrates potent activity with an IC <sub>50</sub> value of 0.25 μM and inhibits the growth of Mycobacterium tuberculosis with a minimum inhibitory concentration (MIC) of 8 μM. This compound is utilized in tuberculosis research.
Targets(IC <sub>50</sub> )	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.621 mL	13.1051 mL	26.2103 mL
5 mM	0.5242 mL	2.621 mL	5.2421 mL
10 mM	0.2621 mL	1.3105 mL	2.621 mL
50 mM	0.0524 mL	0.2621 mL	0.5242 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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