

## LpxA-IN-1

## Chemical Properties

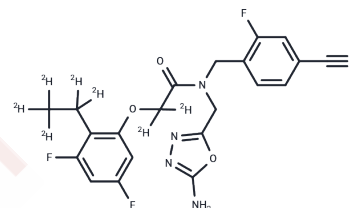
CAS No. : 2822680-14-6

Formula: C<sub>21</sub>H<sub>11</sub>D<sub>7</sub>F<sub>3</sub>N<sub>5</sub>O<sub>3</sub>

Molecular Weight: 452.44

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	LpxA-IN-1, a novel UDP-N-acetylglucosamine acyltransferase (LpxA) inhibitor exhibiting potent activity (IC <sub>50</sub> 2 nM), effectively targets Pseudomonas aeruginosa with a minimum inhibitory concentration (MIC) of 8 µg/mL.
Targets(IC <sub>50</sub> )	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2102 mL	11.0512 mL	22.1024 mL
5 mM	0.442 mL	2.2102 mL	4.4205 mL
10 mM	0.221 mL	1.1051 mL	2.2102 mL
50 mM	0.0442 mL	0.221 mL	0.442 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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