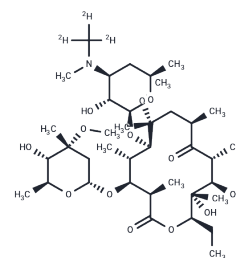


## Clarithromycin-D3

## Chemical Properties

CAS No. :	959119-22-3
Formula:	C38H69NO13
Molecular Weight:	750.97
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	Clarithromycin-D3 is the deuterium-labeled form of Clarithromycin, which exhibits broad-spectrum antibacterial activity. It inhibits CYP3A4-catalyzed triazolam $\alpha$ -hydroxylation, with an IC50 (Ki) value of 56 (43) $\mu$ M. Additionally, Clarithromycin (T1434) significantly inhibits HERG potassium currents and affects autophagic flux by disrupting the signaling pathway linking hERG1 and PI3K.
Targets(IC50)	Antibacterial, Antibiotic, Autophagy, Cytochromes P450

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3316 mL	6.6581 mL	13.3161 mL
5 mM	0.2663 mL	1.3316 mL	2.6632 mL
10 mM	0.1332 mL	0.6658 mL	1.3316 mL
50 mM	0.0266 mL	0.1332 mL	0.2663 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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