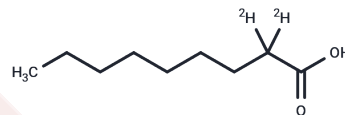


Nonanoic acid-D2

Chemical Properties

CAS No. : 62689-94-5
 Formula: C₉H₁₈O₂
 Molecular Weight: 160.25
 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	Nonanoic acid-D2 is the deuterated form of Nonanoic acid, which is a naturally occurring saturated fatty acid with a nine-carbon structure. Nonanoic acid (T3947) significantly reduces bacterial translocation, enhances antimicrobial activity, and notably increases the secretion of porcine β -defensin 1 (ρ BD-1) and ρ BD-2.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2402 mL	31.2012 mL	62.4025 mL
5 mM	1.248 mL	6.2402 mL	12.4805 mL
10 mM	0.624 mL	3.1201 mL	6.2402 mL
50 mM	0.1248 mL	0.624 mL	1.248 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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