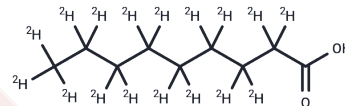


## Nonanoic acid-D17

## Chemical Properties

CAS No. : 130348-94-6  
 Formula: C<sub>9</sub>H<sub>18</sub>O<sub>2</sub>  
 Molecular Weight: 175.34  
 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-D17 is the deuterated form of Nonanoic acid. Nonanoic acid (T3947) is a naturally occurring saturated fatty acid composed of nine carbon atoms. It is known to significantly reduce bacterial translocation, enhance antibacterial activity, and notably increase the secretion of porcine $\beta$ -defensin 1 (pBD-1) and pBD-2.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.7032 mL	28.516 mL	57.0321 mL
5 mM	1.1406 mL	5.7032 mL	11.4064 mL
10 mM	0.5703 mL	2.8516 mL	5.7032 mL
50 mM	0.1141 mL	0.5703 mL	1.1406 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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