

18-Oxooctadecanoic acid

Chemical Properties

CAS No. :	176108-52-4
Formula:	C ₁₈ H ₃₄ O ₃
Molecular Weight:	298.47
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	18-Oxooctadecanoic acid is a derivative of long-chain fatty acids. It is specifically oxidized by P450BM-3 to form the corresponding α,ω -dicarboxylic acid (1,18-octadecanedioic acid) without undergoing a decarboxylation reaction that would produce an alkene with a carbon chain reduced by one carbon. 18-Oxooctadecanoic acid can be used to study metabolic pathways of long-chain fatty acids with aldehyde groups.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3504 mL	16.7521 mL	33.5042 mL
5 mM	0.6701 mL	3.3504 mL	6.7008 mL
10 mM	0.335 mL	1.6752 mL	3.3504 mL
50 mM	0.067 mL	0.335 mL	0.6701 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.

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