Data Sheet (Cat.No.T36831)

TargetMol
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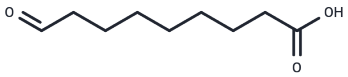
9-Oxononanoic Acid

Chemical Properties



CAS No. : 2553-17-5

Formula: C9H16O3

Molecular Weight: 172.22

Appearance: no data available

Storage: store at low temperature
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	9-Oxononanoic Acid is an oxidized fatty acid, formed by the autoxidation of linoleic acid, which enhances phospholipase A2 (PLA2) activity and increases the production of thromboxane B2 in isolated human plasma.9-Oxononanoic Acid reduces hepatic neofatty acid synthesis and enhances the activity of rat hepatic carnitine palmitoyltransferase, a marker of β-oxidation. Activity.
Targets(IC50)	Phospholipase,CPT

Solubility Information

Solubility	Methanol: Slightly soluble Chloroform: Slightly soluble DMSO: 50 mg/mL (290.33 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8065 mL	29.0326 mL	58.0653 mL
5 mM	1.1613 mL	5.8065 mL	11.6131 mL
10 mM	0.5807 mL	2.9033 mL	5.8065 mL
50 mM	0.1161 mL	0.5807 mL	1.1613 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.

Reference

Minamoto S, et al. Effect of orally administered 9-oxononanoic acid on lipogenesis in rat liver. Biochim Biophys Acta. 1988;958(2):199-204.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481