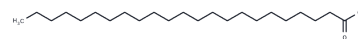


Tricosanoic acid

Chemical Properties

CAS No. :	2433-96-7
Formula:	C ₂₃ H ₄₆ O ₂
Molecular Weight:	354.61
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Tricosanoic acid (Tricosan-1-oic acid) , also known as N-tricosanoate or tricosylate, belongs to the class of organic compounds known as very long-chain fatty acids. Tricosanoic acid has been detected in multiple biofluids, such as blood and urine. Within the cell, Tricosanoic acid is primarily located in the membrane (predicted from logP), cytoplasm and adiposome. Tricosanoic acid is also a parent compound for other transformation products, including but not limited to, beta-D-galactosyl-N-(tricosanoyl)sphingosine, beta-D-galactosyl-(1->4)-beta-D-glucosyl-(11)-N-tricosanoylsphingosine, and N-(tricosanoyl)-[(4E,6E)-tetradecasphingadienine]-1-phosphoethanolamine. Outside of the human body, Tricosanoic acid can be found in citrus, date, and papaya. This makes Tricosanoic acid a potential biomarker for the consumption of these food products.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.820 mL	14.100 mL	28.200 mL
5 mM	0.564 mL	2.820 mL	5.640 mL
10 mM	0.282 mL	1.410 mL	2.820 mL
50 mM	0.0564 mL	0.282 mL	0.564 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

ARYL SULFONOHYDRAZIDES. EP0129778.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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