

Methyl tetracosanoate

Chemical Properties

CAS No. :	2442-49-1
Formula:	C ₂₅ H ₅₀ O ₂
Molecular Weight:	382.663
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Methyl tetracosanoate is a natural product, with anti-diabetic activity.
Targets(IC50)	Others

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	2.6133 mL	13.0664 mL	26.1329 mL
5 mM	0.5227 mL	2.6133 mL	5.2266 mL
10 mM	0.2613 mL	1.3066 mL	2.6133 mL
50 mM	0.0523 mL	0.2613 mL	0.5227 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.

Reference

Shilpa K , Sangeetha K N , Muthusamy V S , et al. Probing key targets in insulin signaling and adipogenesis using a methanolic extract of *Costus pictus* and its bioactive molecule, methyl tetracosanoate[J]. *Biotechnology Letters*, 2009, 31(12):1837-1841.

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