

N-Oleoyl Leucine

Chemical Properties

CAS No. : 136560-76-4

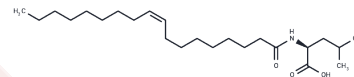
Formula: C₂₄H₄₅NO₃

Molecular Weight: 395.62

Store at low temperature

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	N-Oleoyl Leucine (Oleoyl-L-leucine) is an N-fatty acyl amino acid present in plasma.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	Ethanol:PBS (pH 7.2) (1:4): 200 µ g/ml,Sonication is recommended. DMF: 5 mg/mL (12.64 mM),Sonication is recommended. DMSO: 5 mg/mL (12.64 mM),Sonication is recommended. Ethanol: 5 mg/mL (12.64 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5277 mL	12.6384 mL	25.2768 mL
5 mM	0.5055 mL	2.5277 mL	5.0554 mL
10 mM	0.2528 mL	1.2638 mL	2.5277 mL
50 mM	0.0506 mL	0.2528 mL	0.5055 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

Bradshaw HB, et al. Measuring the Content of Endocannabinoid-Like Compounds in Biological Fluids: A Critical Overview of Sample Preparation Methodologies. *Methods Mol Biol.* 2023;2576:21-40.

Leishman E, et al. Bioactive Lipids in Cancer, Inflammation and Related Diseases : Acute and Chronic Mild Traumatic Brain Injury Differentially Changes Levels of Bioactive Lipids in the CNS Associated with Headache. *Adv Exp Med Biol.* 2019;1161:193-217. doi: 10.1007/978-3-030-21735-8_16.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481