

Oleoyl Serotonin

Chemical Properties

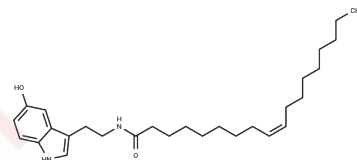
CAS No. : 1002100-44-8

Formula: C₂₈H₄₄N₂O₂

Molecular Weight: 440.66

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	Oleoyl Serotonin is an antagonist of hTRPV1 with an IC ₅₀ of 2.57 μM.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 60 mg/mL (136.16 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	2.2693 mL	11.3466 mL	22.6932 mL
5 mM	0.4539 mL	2.2693 mL	4.5386 mL
10 mM	0.2269 mL	1.1347 mL	2.2693 mL
50 mM	0.0454 mL	0.2269 mL	0.4539 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

Ortar G, et al. New N-arachidonoylserotonin analogues with potential "dual" mechanism of action against pain. J Med Chem. 2007 Dec 27;50(26):6554-69.

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