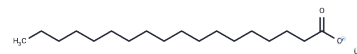


Lithium octadecanoate

Chemical Properties

CAS No. :	4485-12-5
Formula:	C ₁₈ H ₃₆ LiO ₂
Molecular Weight:	291.42
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	Lithium octadecanoate is a soap.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4315 mL	17.1574 mL	34.3147 mL
5 mM	0.6863 mL	3.4315 mL	6.8629 mL
10 mM	0.3431 mL	1.7157 mL	3.4315 mL
50 mM	0.0686 mL	0.3431 mL	0.6863 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

Dong J, McCormick AV, Davis HT, Whitcomb DR. Cation-controlled crystal growth of silver stearate: cryo-TEM investigation of lithium vs sodium stearate. *Langmuir*. 2010 Feb 16;26(4):2263-7. doi: 10.1021/la902697t. PubMed PMID: 20017506.

Tulloch AP. Preparation of specifically dideuterated octadecanoates and oxooctadecanoates. *Lipids*. 1977 Jan;12(1):92-8. PubMed PMID: 834126.

Jie MS, Wong CF. Preparation and properties of gem-dichlorocyclopropane derivatives of long-chain fatty esters. *Lipids*. 1992 Jan;27(1):59-64. PubMed PMID: 1608306.

Ahn BJ, Kraft S, Sun XS. Solvent-free acid-catalyzed ring-opening of epoxidized oleochemicals using stearates/stearic acid, and its applications. *J Agric Food Chem*. 2012 Mar 7;60(9):2179-89. doi: 10.1021/jf204275q. Epub 2012 Feb 23. PubMed PMID: 22304525.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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