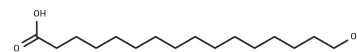


16-hydroxy Hexadecanoic Acid

Chemical Properties

CAS No. :	506-13-8
Formula:	C ₁₆ H ₃₂ O ₃
Molecular Weight:	272.42
Storage:	Keep away from moisture 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	16-hydroxy Hexadecanoic Acid (Juniperic acid) is a compound isolated from the leaves and stems of Arabidopsis thaliana and can be used to prevent, alleviate, or treat metabolic diseases.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO:PBS(pH 7.2) (1:2): 0.33 mg/mL (1.21 mM),Sonication is recommended. DMF: 20 mg/mL (73.42 mM),Sonication is recommended. DMSO: 20 mg/mL (73.42 mM),Sonication is recommended. Ethanol: 2.5 mg/mL (9.18 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6708 mL	18.354 mL	36.708 mL
5 mM	0.7342 mL	3.6708 mL	7.3416 mL
10 mM	0.3671 mL	1.8354 mL	3.6708 mL
50 mM	0.0734 mL	0.3671 mL	0.7342 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

Zhao Y, et al. Adipocyte Rnf20 ablation increases the fast-twitch fibers of skeletal muscle via lysophosphatidylcholine 16:0. Cell Mol Life Sci. 2023 Aug 9;80(9):243.

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