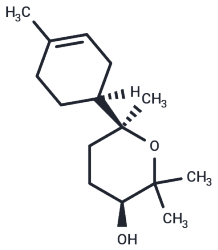
Data Sheet (Cat.No.TN1446)

TargetMol

Bisabolol oxide A

Chemical Properties



CAS No. : 22567-36-8

Formula: C15H26O2

Molecular Weight: 238.37

Storage: Keep away from direct sunlight
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	Bisabolol oxide A is an anti-inflammatory natural product with free radical scavenging activity, exhibiting an IC50 of 1500 mg/L in the DPPH assay.
Targets(IC50)	Free radical scavengers
In vitro	Bisabolol oxide A (30μM and 100μM) significantly induced apoptosis in rat thymocytes, manifested by cell shrinkage, phosphatidylserine exposure, and an increase in the number of subdiploid DNA cells [1].

Solubility Information

Solubility	DMSO: 160 mg/mL (671.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1952 mL	20.9758 mL	41.9516 mL
5 mM	0.839 mL	4.1952 mL	8.3903 mL
10 mM	0.4195 mL	2.0976 mL	4.1952 mL
50 mM	0.0839 mL	0.4195 mL	0.839 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

Ogata I, et al. Bisabololoxide A, one of the main constituents in German chamomile extract, induces apoptosis in rat thymocytes. Arch Toxicol. 2010 Jan;84(1):45-52.

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