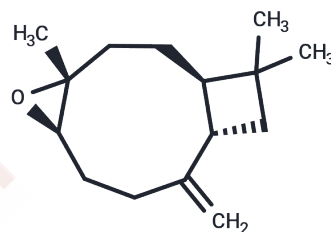


Caryophyllene oxide

Chemical Properties

CAS No. :	1139-30-6
Formula:	C ₁₅ H ₂₄ O
Molecular Weight:	220.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Caryophyllene oxide is isolated from Aegle marmelos, with anti-inflammatory activity.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 55 mg/mL (249.6 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	4.5382 mL	22.6912 mL	45.3823 mL
5 mM	0.9076 mL	4.5382 mL	9.0765 mL
10 mM	0.4538 mL	2.2691 mL	4.5382 mL
50 mM	0.0908 mL	0.4538 mL	0.9076 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.

Reference

- Sain S, et al. Antiinflamm Antiallergy Agents Med Chem. 2014 Mar;13(1):45-55.
Liu Q, Li X, Li Y, et al. A novel network pharmacology strategy to decode mechanism of Wuling Powder in treating liver cirrhosis. Chinese Medicine. 2024, 19(1): 36.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481