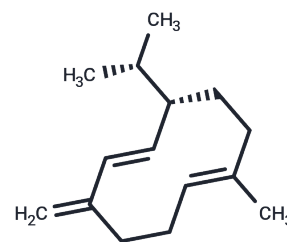


Germacrene D

Chemical Properties

CAS No. :	23986-74-5
Formula:	C ₁₅ H ₂₄
Molecular Weight:	204.35
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Germacrene D has antibacterial and antifungal activities and can be used as an adjuvant agent in the application of aminoglycosides and azoles. Germacrene D is isolated from Bursera species.
Targets(IC50)	Antibacterial
In vitro	Germacrene D shows antibacterial and antifungal activities, the mechanism of antimicrobial action of it may be related to permeabilization of the cells and disruption of the membrane integrity.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8936 mL	24.4678 mL	48.9356 mL
5 mM	0.9787 mL	4.8936 mL	9.7871 mL
10 mM	0.4894 mL	2.4468 mL	4.8936 mL
50 mM	0.0979 mL	0.4894 mL	0.9787 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

Noge K, et al. Germacrene D, a common sesquiterpene in the genus Bursera (Burseraceae). Molecules. 2009 Dec 15;14(12):5289-97.

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