

Germacrene D

Chemical Properties

CAS No. : 23986-74-5

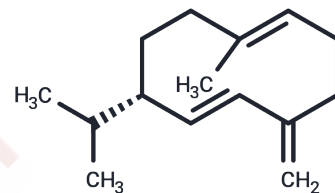
Formula: C₁₅H₂₄

Molecular Weight: 204.35

Storage: Store at low temperature, 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	Germacrene D ((-)-Germacrene D) is a sesquiterpene volatile compound that can be extracted from <i>Solidago canadensis</i> . It is a RIFM fragrance with potential antimicrobial activity and increases the attraction and egg-laying of tobacco budworm moth (<i>Heliothis virescens</i>).
Targets(IC50)	Antibacterial, Antifungal
In vitro	Germacrene D specifically activates an antenna receptor neuron on <i>Heliothis virescens</i> . [1]

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.

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

Røsteliën T, et al. The plant sesquiterpene germacrene D specifically activates a major type of antennal receptor neuron of the tobacco budworm moth *Heliothis virescens*. *Chem Senses*. 2000 Apr;25(2):141-8.

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