

DMNT

Chemical Properties

CAS No. : 51911-82-1

Formula: C₁₁H₁₈

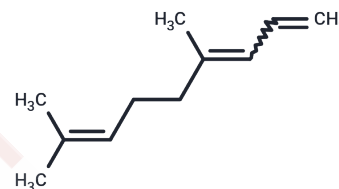
Molecular Weight: 150.26

Keep away from direct sunlight, Keep away from moisture

Storage:

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	DMNT is a naturally occurring homoterpene, a volatile organic compounds (VOCs) released by plants through a defense response that induces defensive Sporamin protease inhibitor activity in neighboring plants thereby warding off pests.
Targets(IC50)	Protease

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6551 mL	33.2757 mL	66.5513 mL
5 mM	1.331 mL	6.6551 mL	13.3103 mL
10 mM	0.6655 mL	3.3276 mL	6.6551 mL
50 mM	0.1331 mL	0.6655 mL	1.331 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

Chen C, Tao Z, Wang C, Wang T, Chen H, Jiang T, Li P. Preference Test of Plutella xylostella Larvae upon DMNT Treatment. Bio Protoc. 2021 Nov 5;11(21):e4208.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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