

(E)-hexadec-11-en-1-ol

Chemical Properties

CAS No. :	61301-56-2
Formula:	C16H32O
Molecular Weight:	240.42
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	(E)-hexadec-11-en-1-ol ((E)-11-Hexadecenol) is the pheromone of the spotted stem borer Chilo partellus. It is a long-chain fatty acid found in the volatile oil of Daphne genkwa and has potential antibacterial activity.
Targets(IC50)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1594 mL	20.7969 mL	41.5939 mL
5 mM	0.8319 mL	4.1594 mL	8.3188 mL
10 mM	0.4159 mL	2.0797 mL	4.1594 mL
50 mM	0.0832 mL	0.4159 mL	0.8319 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

Guleria N, et al. Electrophysiological and Behavioral Responses of Spotted Stem Borer, Chilo partellus, to Sex Pheromone Components and Their Blends. J Chem Ecol. 2023 Apr;49(3-4):155-163.

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