

Heneicosane

Chemical Properties

CAS No. :	629-94-7
Formula:	C ₂₁ H ₄₄
Molecular Weight:	296.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Heneicosane (henicosane) is a pheromone that inhibits the production of aflatoxins. Heneicosane is an aroma component isolated from <i>Streptomyces philanthi</i> RL-1-178 or <i>Serapias cordigera</i> .
Targets(IC50)	Antifungal

Solubility Information

Solubility	DMSO: 2 mg/mL (6.74 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3719 mL	16.8594 mL	33.7189 mL
5 mM	0.6744 mL	3.3719 mL	6.7438 mL
10 mM	0.3372 mL	1.6859 mL	3.3719 mL
50 mM	0.0674 mL	0.3372 mL	0.6744 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

S Boukaew, et al. Efficacy of volatile compounds from *Streptomyces philanthi* RL-1-178 as a biofumigant for controlling growth and aflatoxin production of the two aflatoxin-producing fungi on stored soybean seeds. J Appl

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