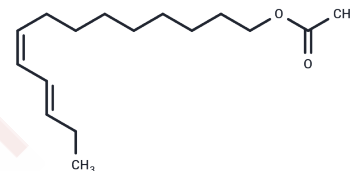


(9Z,11E)-Prodlure

Chemical Properties

CAS No. :	50767-79-8
Formula:	C ₁₆ H ₂₈ O ₂
Molecular Weight:	252.39
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	(9Z,11E)-Prodlure is the main component of the sex pheromone of female <i>Spodoptera litura</i> .
Targets(IC50)	Others
In vitro	Methods: Pheromone glands were collected from adult female moths of <i>Dioryctria mendacella</i> , and component analysis was performed on the extracts. Results: The extracts contained (9Z,11E)-Prodlure, and the content of (Z,Z,Z,Z,Z)-3,6,9,12,15-pentacosapentaene (ZZZZZ3,6,9,12,15-25:H) was at least 10-fold higher [1].

Solubility Information

Solubility	DMSO: 80 mg/mL (316.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9621 mL	19.8106 mL	39.6212 mL
5 mM	0.7924 mL	3.9621 mL	7.9242 mL
10 mM	0.3962 mL	1.9811 mL	3.9621 mL
50 mM	0.0792 mL	0.3962 mL	0.7924 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

Hall DR, et al. Female Sex Pheromone of the Cone Moth, *Dioryctria mendacella*: Investigation of Synergism between Type I and Type II Pheromone Components. *J Chem Ecol.* 2017 May;43(5):433-442.

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