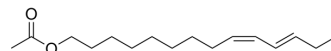


(9Z,11E)-Prodlure

Cat. No.:	HY-101735		
CAS No.:	50767-79-8		
Molecular Formula:	C ₁₆ H ₂₈ O ₂		
Molecular Weight:	252.39		
Target:	Others		
Pathway:	Others		
Storage:	Pure form	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (396.21 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.91 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (9.91 mM); Suspended solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.91 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	(9Z,11E)-Prodlure ((9Z,11E)-Tetradecadien-1-yl acetate) is the main component of the sex pheromone of female <i>Spodoptera littoralis</i> ^[1] .
In Vitro	Extracts of pheromone glands of adult females of the cone moth, <i>Dioryctria mendacella</i> , contain (9Z,11E)-Prodlure and at least ten times as much (Z,Z,Z,Z,Z)-3,6,9,12,15-pentacosapentaene (ZZZZZ3,6,9,12,15-25:H) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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