

(Z)-8-Dodecenyl acetate

Chemical Properties

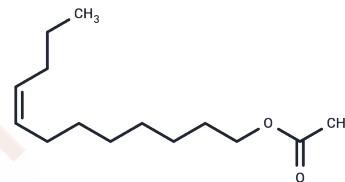
CAS No. : 28079-04-1

Formula: C₁₄H₂₆O₂

Molecular Weight: 226.36

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	(Z)-8-Dodecenyl acetate (Orfralure) is a pear psyllid sex pheromone, which can be used to study pear psyllid control.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 22.64 mg/mL (100.02 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	4.4177 mL	22.0887 mL	44.1774 mL
5 mM	0.8835 mL	4.4177 mL	8.8355 mL
10 mM	0.4418 mL	2.2089 mL	4.4177 mL
50 mM	0.0884 mL	0.4418 mL	0.8835 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

Gentry, C.R., et al. Air permeation tests with orfralure for reduction in trap catch of oriental fruit moths. J Chem Ecol 6, 185-192 (1980).

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