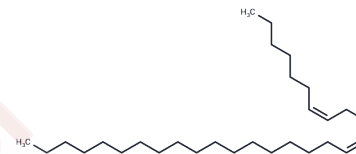


7(Z),11(Z)-Nonacosadiene

Chemical Properties

CAS No. :	104410-91-5
Formula:	C ₂₉ H ₅₆
Molecular Weight:	404.75
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	Unsaturated cuticular hydrocarbons serve as pheromones in insects. In <i>D. melanogaster</i> , these hydrocarbons are sexually dimorphic in both their occurrence and their effects. 7(Z),11(Z)-Nonacosadiene is a cuticular pheromone in female fruit flies that stimulates male courtship behavior. The biosynthesis of this C ₂₉ diene appears to be mediated by an elongase with female-based expression.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: 20 mg/mL (49.41 mM),Sonication is recommended. Ethanol: 20 mg/mL (49.41 mM),Sonication is recommended. DMSO: 20 mg/mL (49.41 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	2.4707 mL	12.3533 mL	24.7066 mL
5 mM	0.4941 mL	2.4707 mL	4.9413 mL
10 mM	0.2471 mL	1.2353 mL	2.4707 mL
50 mM	0.0494 mL	0.2471 mL	0.4941 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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