

(E,E)-4,8,12-Trimethyl-1,3,7,11-tridecatetraene

Chemical Properties

CAS No. :	62235-06-7
Formula:	C ₁₆ H ₂₆
Molecular Weight:	218.38
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	(E,E)-4,8,12-Trimethyl-1,3,7,11-tridecatetraene (TMTT) is a sesquiterpene compound and a key volatile emitted by plants in response to herbivore attack. It aids in defense by acting as a direct repellent and indirectly by attracting natural enemies of herbivorous insects. This compound draws the Asian corn borer (ACB, <i>Ostrinia furnacalis</i>) larvae. Moreover, exogenously supplementing (E,E)-4,8,12-Trimethyl-1,3,7,11-tridecatetraene reduces the larvae's ability to locate corn already infested by pests.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5792 mL	22.8959 mL	45.7917 mL
5 mM	0.9158 mL	4.5792 mL	9.1583 mL
10 mM	0.4579 mL	2.2896 mL	4.5792 mL
50 mM	0.0916 mL	0.4579 mL	0.9158 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481