

(3E)-4,8-Dimethylnona-1,3,7-triene

Chemical Properties

CAS No. :	19945-61-0
Formula:	C ₁₁ H ₁₈
Molecular Weight:	150.27
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	(3E)-4,8-Dimethylnona-1,3,7-triene is a sesquiterpene compound primarily emitted by plants in response to herbivore attacks. It helps in defense by acting as a direct repellent and indirectly by attracting predators of herbivorous insects. Additionally, (3E)-4,8-Dimethylnona-1,3,7-triene attracts Asian corn borer (ACB, <i>Ostrinia furnacalis</i>) larvae, and its external application hinders larvae from locating maize already damaged by pests.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.6547 mL	33.2734 mL	66.5469 mL
5 mM	1.3309 mL	6.6547 mL	13.3094 mL
10 mM	0.6655 mL	3.3273 mL	6.6547 mL
50 mM	0.1331 mL	0.6655 mL	1.3309 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.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481