

Cis-3-Hexenyl Butyrate

Chemical Properties

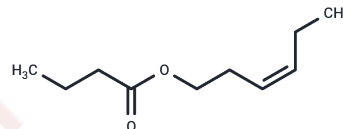
CAS No. : 16491-36-4

Formula: C₁₀H₁₈O₂

Molecular Weight: 170.25

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	Cis-3-Hexenyl Butyrate ((Z)-3-hexen-1-yl butyrate) is an attractant for oviposition of grapholitha molesta.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.8737 mL	29.3686 mL	58.7372 mL
5 mM	1.1747 mL	5.8737 mL	11.7474 mL
10 mM	0.5874 mL	2.9369 mL	5.8737 mL
50 mM	0.1175 mL	0.5874 mL	1.1747 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

Rodrigo F, et al. Better Together: Volatile-Mediated Intraguild Effects on the Preference of Tuta absoluta and Trialeurodes vaporariorum for Tomato Plants. J Chem Ecol. 2023 Dec;49(11-12):725-741.

Hong Y, et al. Identification and characterization of TMV-induced volatile signals in Nicotiana benthamiana: evidence for JA/ET defense pathway priming in congeneric neighbors via airborne (E)-2-octenal. Funct Integr Genomics. 2023 Aug 12;23(3):272.

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