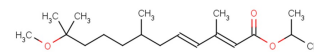


Methoprene

Chemical Properties

CAS No.:	40596-69-8
Formula:	C ₁₉ H ₃₄ O ₃
Molecular Weight:	310.47
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Methoprene is a juvenile hormone (JH) analog and is a biological pesticide. It also does not kill insects. Methoprene acts as an insect growth regulator, interferes with an insect's lifecycle, and prevents it from reaching maturity or reproducing.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	Ethanol: 100 mg/mL (322.09 mM) Acetone: 50 mg/mL (161.05 mM) DMSO: 25 mg/mL (80.52 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.221 mL	16.105 mL	32.209 mL
5 mM	0.644 mL	3.221 mL	6.442 mL
10 mM	0.322 mL	1.61 mL	3.221 mL
50 mM	0.064 mL	0.322 mL	0.644 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

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