

Pyrethrins

Chemical Properties

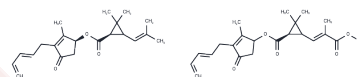
CAS No. : 8003-34-7

Formula: C₄₃H₅₆O₈

Molecular Weight: 700.913

Appearance:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Pyrethrins, a mixture of insecticidal compounds derived from the Chrysanthemum flower, demonstrate efficacy against <i>C. fatigans</i> mosquitoes at a concentration of 200 mg/ft ² , either alone or when combined with piperonyl butoxide on glass, wood, or mud panels, maintaining effectiveness for 3-4 weeks. This compound exhibits toxicity through oral administration and inhalation in rats (LC ₅₀ s = 700 and 1,030 mg/kg for females and males, respectively; LD ₅₀ = 3.4 mg/L) and to rainbow trout (LC ₅₀ = 52.2 µg/L), highlighting its broad-spectrum insecticidal capabilities. Pyrethrins are utilized in agricultural and horticultural insect control formulations. Designed solely for research and analytical applications, this product is restricted to controlled laboratory environments and is not available in bulk sizes.
Targets(IC ₅₀)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4267 mL	7.1336 mL	14.2672 mL
5 mM	0.2853 mL	1.4267 mL	2.8534 mL
10 mM	0.1427 mL	0.7134 mL	1.4267 mL
50 mM	0.0285 mL	0.1427 mL	0.2853 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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