

Azadirachtin I

Chemical Properties

CAS No. :	134788-16-2
Formula:	C32H42O12
Molecular Weight:	618.68
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	Azadirachtin I is an insecticide that targets pathways related to insect growth and development, such as the ecdysone signaling pathway and the chitin synthesis pathway. It disrupts the growth and development of insect larvae by interfering with molting and pupation, inhibiting chitin synthesis, and impairing gut function, which increases insect mortality and reduces adult reproductive capacity. Azadirachtin I is promising for research on agricultural pests, including those in the Lepidoptera and Coleoptera orders.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6163 mL	8.0817 mL	16.1634 mL
5 mM	0.3233 mL	1.6163 mL	3.2327 mL
10 mM	0.1616 mL	0.8082 mL	1.6163 mL
50 mM	0.0323 mL	0.1616 mL	0.3233 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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