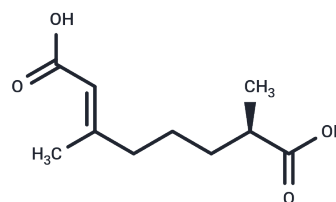


Callosobruchusic Acid

Chemical Properties

CAS No. : 87172-91-6
Formula: C₁₀H₁₆O₄
Molecular Weight: 200.234
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Callosobruchusic acid is an insect pheromone and monoterpene that has been found as a component of the copulation release pheromone erectin in azuki bean weevils (<i>C. chinensis</i>). It induces copulation release activity in male azuki bean weevils (EC ₅₀ = 6.5 ng/insect).
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9943 mL	24.9713 mL	49.9426 mL
5 mM	0.9989 mL	4.9943 mL	9.9885 mL
10 mM	0.4994 mL	2.4971 mL	4.9943 mL
50 mM	0.0999 mL	0.4994 mL	0.9989 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.

Reference

Mori, K., Ito, T., Tanaka, K., et al. Synthesis and biological activity of optically active forms of (E)-3, 7-dimethyl-2-octene-1, 8-dioic acid (callosobruchusic acid): A component of the copulation release pheromone (erectin) of the

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