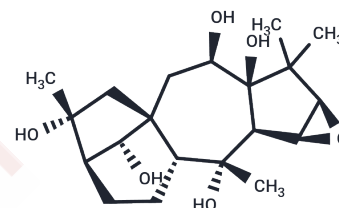


Rhodojaponin III

Chemical Properties

CAS No. :	26342-66-5
Formula:	C ₂₀ H ₃₂ O ₆
Molecular Weight:	368.46
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. Rhodojaponin III has antifeedant and oviposition deterrence effects against many kinds of insects, BdorCSP2 of <i>B. dorsalis</i> could be involved in chemoreception of Rhodojaponin III and played a critical role. 2. Rhodojaponin III induces a certain linkage for change of [Ca ²⁺] _i , cell cycle arrest, proliferation inhibition in Sf9 cells.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 3.68 mg/mL (9.99 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.714 mL	13.570 mL	27.140 mL
5 mM	0.5428 mL	2.714 mL	5.428 mL
10 mM	0.2714 mL	1.357 mL	2.714 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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

Yi X, Zhao H, Dong X, et al. BdorCSP2 is important for antifeed and oviposition-detering activities induced by Rhodojaponin-III against *Bactrocera dorsalis*[J]. Plos One, 2013, 8(10):e77295.

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