

Makisterone A

Chemical Properties

CAS No. : 20137-14-8

Formula: C₂₈H₄₆O₇

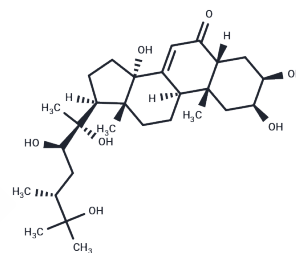
Molecular Weight: 494.66

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Makisterone A is a natural product exhibiting agonistic activity toward the ecdysone receptor in Sf-9 cells (IC ₅₀ = 112 nM).
Targets(IC ₅₀)	Others

Solubility Information

Solubility	Methanol: Soluble DMSO: 0.8 mg/mL (1.62 mM), Sonication is recommended. Ethanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0216 mL	10.108 mL	20.2159 mL
5 mM	0.4043 mL	2.0216 mL	4.0432 mL
10 mM	0.2022 mL	1.0108 mL	2.0216 mL
50 mM	0.0404 mL	0.2022 mL	0.4043 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.

Reference

M.F.Feldlaufer, et al. Makisterone A: The major ecdysteroid from the pupa of the honey bee, *Apis mellifera*. *Insect Biochemistry*. 1985, 15 (5):597-600.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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