

Toosendanin

Chemical Properties

CAS No. : 58812-37-6

Formula: C₃₀H₃₈O₁₁

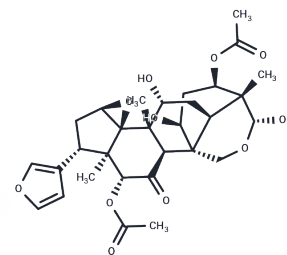
Molecular Weight: 574.62

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	1. Toosendanin possesses hepatotoxicity. 2. Toosendanin has effects on the growth, cell cycle arrest, induction of apoptosis and the involved signaling pathway in human promyelocytic leukemia HL-6 cells. 3. Toosendanin is an effective insecticide for Ae.
Targets(IC50)	Others

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 247.5 mg/mL (430.72 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.74 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7403 mL	8.7014 mL	17.4028 mL
5 mM	0.3481 mL	1.7403 mL	3.4806 mL
10 mM	0.174 mL	0.8701 mL	1.7403 mL
50 mM	0.0348 mL	0.174 mL	0.3481 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

Shi Y L , Li M F . Biological effects of toosendanin, a triterpenoid extracted from Chinese traditional medicine[J]. Progress in Neurobiology, 2007, 82(1):1-10.

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