

Euphornin

Chemical Properties

CAS No. : 80454-47-3

Formula: C33H44O9

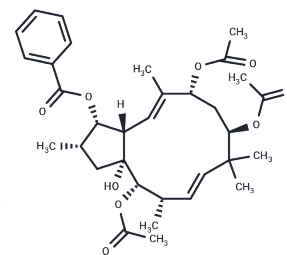
Molecular Weight: 584.71

Storage:

Keep away from direct sunlight, Keep away from moisture

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	Euphornin is a diterpene natural product isolated from Euphorbia dulcis that inhibits G protein-activated inwardly rectifying potassium channels GIRK1/4 (Kir3.1/3.4) with an IC50 of 2.63 μ M, making it useful for studying atrial fibrillation.
Targets(IC50)	Potassium Channel
In vitro	Euphornin (50-200 μ g/mL, 48 hours) significantly increased the expression levels of cleaved caspase-3, caspase-8, caspase-9, and caspase-10 [1].

Solubility Information

Solubility	DMSO: 80.00 mg/mL (136.82 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	1.7102 mL	8.5512 mL	17.1025 mL
5 mM	0.342 mL	1.7102 mL	3.4205 mL
10 mM	0.171 mL	0.8551 mL	1.7102 mL
50 mM	0.0342 mL	0.171 mL	0.342 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

Li XQ, et al. Euphornin reduces proliferation of human cervical adenocarcinoma HeLa cells through induction of apoptosis and G2/M cell cycle arrest. Onco Targets Ther. 2018 Jul 27;11:4395-4405.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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