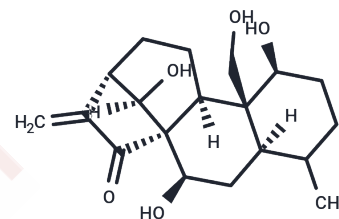


Kamebakaurin

Chemical Properties

CAS No. :	73981-34-7
Formula:	C ₂₀ H ₃₀ O ₅
Molecular Weight:	350.45
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	1. Kamebakaurin (Kamebakaurine) has the ability to protect the liver from APAP-induced hepatotoxicity, presumably by both inhibiting the inflammatory response and oxidative stress. 2. Kamebakaurin inhibits the expression of hypoxia-inducible factor-1 α and its target genes to confer antitumor activity. 3. Kamebakaurin has anti-cancer and anti-inflammatory activities through direct inhibition of DNA-binding activity of nuclear factor-kappa B (NF- κ B) p50. 4. Kamebakaurin has anti-neuroinflammatory activity via inhibition of c-Jun NH ₂ -terminal kinase and p38 mitogen-activated protein kinase pathway in activated microglial cells.
Targets(IC50)	Apoptosis, NF- κ B, HIF/HIF Prolyl-Hydroxylase, Caspase

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.8535 mL	14.2674 mL	28.5347 mL
5 mM	0.5707 mL	2.8535 mL	5.7069 mL
10 mM	0.2853 mL	1.4267 mL	2.8535 mL
50 mM	0.0571 mL	0.2853 mL	0.5707 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

Wang K S , Lee J J . Kamebakaurin inhibits the expression of hypoxia-inducible factor-1 α and its target genes to confer antitumor activity[J]. Oncology Reports, 2016, 35(4):2045.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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