

Flavokawain A

Chemical Properties

CAS No. : 64680-84-8

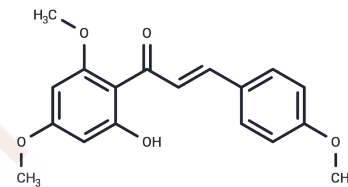
Formula: C₁₈H₁₈O₅

Molecular Weight: 314.33

Store at low temperature

Storage: 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	Flavokawain A is a chalcone found in Kava, which has anti-cancer effects and can regulate Bax protein-dependent and mitochondrial-dependent apoptotic pathways, induce apoptosis of bladder cancer cells, and inhibit tumor growth in mice.
Targets(IC50)	Apoptosis, Bcl-2 Family

Solubility Information

Solubility	DMSO: 20.00 mg/mL (63.63 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	3.1814 mL	15.9068 mL	31.8137 mL
5 mM	0.6363 mL	3.1814 mL	6.3627 mL
10 mM	0.3181 mL	1.5907 mL	3.1814 mL
50 mM	0.0636 mL	0.3181 mL	0.6363 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

Zi X, et al. Flavokawain A, a novel chalcone from kava extract, induces apoptosis in bladder cancer cells by involvement of Bax protein-dependent and mitochondria-dependent apoptotic pathway and suppresses tumor growth in mice. *Cancer Res.* 2005;65(8):3479-3486.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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