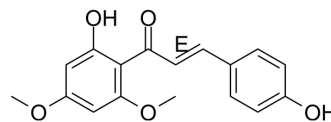


Flavokawain C

Cat. No.:	HY-N2445
CAS No.:	37308-75-1
Molecular Formula:	C ₁₇ H ₁₆ O ₅
Molecular Weight:	300.31
Target:	Apoptosis
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (416.24 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.3299 mL	16.6495 mL	33.2989 mL
				5 mM	0.6660 mL	3.3299 mL	6.6598 mL
				10 mM	0.3330 mL	1.6649 mL	3.3299 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.25 mg/mL (4.16 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (4.16 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (4.16 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	Flavokawain C is a natural chalcone found in Kava root. Flavokawain C exerts cytotoxicity against human cancer cell lines, with an IC ₅₀ of 12.75 μM for HCT 116 cells ^[1] .
-------------	--

CUSTOMER VALIDATION

- Phytomedicine. 2023 Sep 7, 155074.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Phang CW, et al. Flavokawain C Inhibits Cell Cycle and Promotes Apoptosis, Associated with Endoplasmic Reticulum Stress and Regulation of MAPKs and Akt Signaling Pathways in HCT 116 Human Colon Carcinoma Cells. PLoS One. 2016 Feb 9;11(2):e0148775.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA