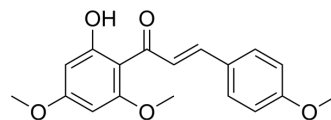


Flavokawain A

Cat. No.:	HY-N2420		
CAS No.:	3420-72-2		
Molecular Formula:	C ₁₈ H ₁₈ O ₅		
Molecular Weight:	314.33		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (318.14 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	3.1814 mL	15.9069 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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.95 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Flavokawain A, a promising anticarcinogenic agent, is a chalcone from kava extract with anti-tumor activity. Flavokawain A induces cell apoptosis by involvement of Bax protein-dependent and mitochondria-dependent apoptotic pathway. Flavokawain A has the potential for the study of bladder cancer ^[1] .
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CUSTOMER VALIDATION

- Phytomedicine. 2023 Sep 7, 155074.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Xiaolin Zi, 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 Apr 15;65(8):3479-86.

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

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