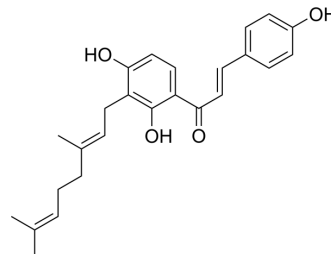


Xanthoangelol

Cat. No.:	HY-111588		
CAS No.:	62949-76-2		
Molecular Formula:	C ₂₅ H ₂₈ O ₄		
Molecular Weight:	392.49		
Target:	Bacterial; Apoptosis; AMPK; Monoamine Oxidase		
Pathway:	Anti-infection; Apoptosis; Epigenetics; PI3K/Akt/mTOR; Neuronal Signaling		
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 (254.78 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5478 mL	12.7392 mL	25.4784 mL
	5 mM	0.5096 mL	2.5478 mL	5.0957 mL
	10 mM	0.2548 mL	1.2739 mL	2.5478 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Xanthoangelol, extracted from *Angelica keiskei*, suppresses obesity-induced inflammatory responses. Xanthoangelol possesses antibacterial activity^{[1][2]}. Xanthoangelol inhibits monoamine oxidases^[3]. Xanthoangelol induces apoptosis in neuroblastoma and leukemia cells^[4].

REFERENCES

- [1]. Li Y, et al. Xanthoangelol and 4-hydroxyderricin suppress obesity-induced inflammatory responses. *Obesity* (Silver Spring). 2016 Nov;24(11):2351-2360.
- [2]. Inamori Y, et al. Antibacterial activity of two chalcones, xanthoangelol and 4-hydroxyderricin, isolated from the root of *Angelica keiskei* KOIDZUMI. *Chem Pharm Bull* (Tokyo). 1991 Jun;39(6):1604-5.
- [3]. Kim JH, et al. Xanthoangelol and 4-Hydroxyderricin Are the Major Active Principles of the Inhibitory Activities against Monoamine Oxidases on *Angelica keiskei* K. *Biomol Ther* (Seoul). 2013 May 30;21(3):234-40.

[4]. Keiichi TABATA, et al. Xanthoangelol, a Major Chalcone Constituent of Angelica keiskei, Induces Apoptosis in Neuroblastoma and Leukemia Cells. Biol. Pharm. Bull. 28(8) 1404-1407 (2005).

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