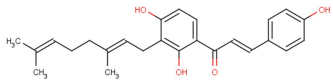
Data Sheet (Cat.No.T13354)

TargetMol
A DRUG SCREENING EXPERT

Xanthoangelol

Chemical Properties



CAS No.:	62949-76-2
Formula:	C25H28O4
Molecular Weight:	392.49
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

Biological Description

Description	Xanthoangelol is a natural product isolated from Angelica keiskei, with antibacterial activity.
Targets(IC_{50})	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.548 mL	12.739 mL	25.478 mL
5 mM	0.51 mL	2.548 mL	5.096 mL
10 mM	0.255 mL	1.274 mL	2.548 mL
50 mM	0.051 mL	0.255 mL	0.51 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. Li Y, et al. Xanthoangelol and 4-hydroxyderrcin 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).

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