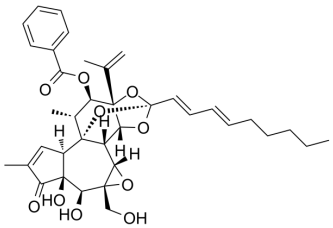
Yuanhuacine

Cat. No.:	HY-N7225
CAS No.:	60195-70-2
Molecular Formula:	$C_{37}H_{44}O_{10}$
Molecular Weight:	648.74
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (154.14 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5414 mL	7.7072 mL	15.4145 mL
	5 mM	0.3083 mL	1.5414 mL	3.0829 mL
	10 mM	0.1541 mL	0.7707 mL	1.5414 mL

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

BIOLOGICAL ACTIVITY

Description

Yuanhuacine (Gnidilatidin), a daphnane diterpenoid from the flowers of Daphne genkwa with extensive anti-tumor activity. Yuanhuacine is a DNA-damaging agent with orally active[1][2].

REFERENCES

[1]. Ji In Kang, et al. Anti-Tumor Activity of Yuanhuacine by Regulating AMPK/mTOR Signaling Pathway and Actin Cytoskeleton Organization in Non-Small Cell Lung Cancer Cells. PLoS One. 2015 Dec 11;10(12):e0144368.

[2]. Ruowen Zhang, et al. The Chinese herb isolate yuanhuacine (YHL-14) induces G2/M arrest in human cancer cells by up-regulating p21 protein expression through an p53 protein-independent cascade. J Biol Chem. 2014 Mar 7;289(10):6394-403.

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

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