



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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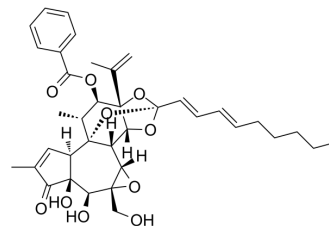
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## Yuanhuacine

<b>Cat. No.:</b>	HY-N7225
<b>CAS No.:</b>	60195-70-2
<b>Molecular Formula:</b>	C <sub>37</sub> H <sub>44</sub> O <sub>10</sub>
<b>Molecular Weight:</b>	648.74
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	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)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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<sup>[1][2]</sup>.

### 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.

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

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