



# 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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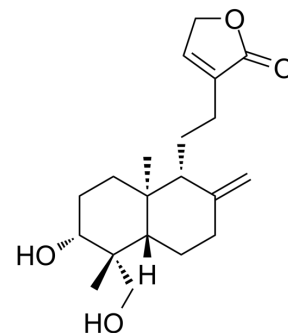
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## 14-Deoxyandrographolide

Cat. No.:	HY-N4323
CAS No.:	4176-97-0
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	334.45
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
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 (299.00 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.9900 mL	14.9499 mL	29.8998 mL
				5 mM	0.5980 mL	2.9900 mL	5.9800 mL
				10 mM	0.2990 mL	1.4950 mL	2.9900 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.47 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.47 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	14-Deoxyandrographolide is a labdane diterpene with calcium channel blocking activity. 14-Deoxyandrographolide desensitizes hepatocytes to TNF-α-mediated apoptosis through the release of TNFRSF1A release <sup>[1][2]</sup> .
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### REFERENCES

- [1]. Roy DN, et al. 14-Deoxyandrographolide desensitizes hepatocytes to tumour necrosis factor-alpha-induced apoptosis through calcium-dependent tumour necrosis factor receptor superfamily member 1A release via the NO/cGMP pathway. *Br J Pharmacol.* 2010 Aug;160
- [2]. Burgos RA, et al. Effect of 14-deoxyandrographolide on calcium-mediated rat uterine smooth muscle contractility. *Phytother Res.* 2003;17(9):1011-1015.

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

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