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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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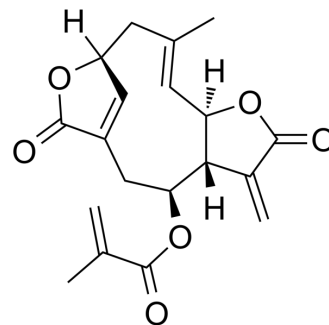
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Deoxyelephantopin

Cat. No.:	HY-N2491		
CAS No.:	29307-03-7		
Molecular Formula:	C ₁₉ H ₂₀ O ₆		
Molecular Weight:	344.36		
Target:	NF-κB		
Pathway:	NF-κB		
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 : 33.33 mg/mL (96.79 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	2.9039 mL	14.5197 mL	29.0394 mL
		5 mM	0.5808 mL	2.9039 mL	5.8079 mL
		10 mM	0.2904 mL	1.4520 mL	2.9039 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (7.26 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Deoxyelephantopin, a natural bioactive sesquiterpene lactone from <i>Elephantopus scaber</i> , has shown promising anticancer effects against a broad spectrum of cancers. Deoxyelephantopin inhibits NF-κB, MAPK, PI3K/Akt, and β-catenin signaling ^[1] .
IC ₅₀ & Target	NF-κB
In Vitro	Deoxyelephantopin inhibits the cell growth of HCT 116 (colorectal), K562 (chronic myeloid leukemia), KB (oral), and T47D (breast) cancer cell lines with IC ₅₀ s of 7.46, 4.02, 3.35, 1.86 μg/mL, respectively ^[1] . Deoxyelephantopin increases the expression of p53, p-JNK, and p-p38 and decreases the expression of p-STAT3 and p-mTOR in cancer cells. Deoxyelephantopin downregulates MMP-2 and MMP-9, uPA, and uPAR mRNA levels in cancer cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Farha Arakkaveetil Kabeer, et al. Molecular Mechanisms of Anticancer Activity of Deoxyelephantopin in Cancer Cells. Integr Med Res. 2017 Jun;6(2):190-206.

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

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