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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

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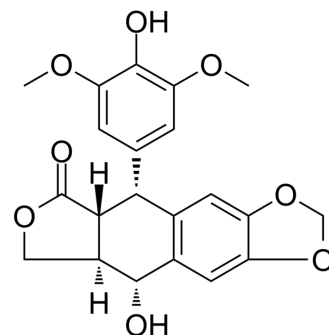
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4'-Demethylpodophyllotoxin

Cat. No.:	HY-N2323		
CAS No.:	40505-27-9		
Molecular Formula:	C ₂₁ H ₂₀ O ₈		
Molecular Weight:	400.38		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (624.41 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4976 mL	12.4881 mL	24.9763 mL
	5 mM		0.4995 mL	2.4976 mL	4.9953 mL
	10 mM		0.2498 mL	1.2488 mL	2.4976 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: ≥ 2.08 mg/mL (5.20 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.20 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.20 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

4'-Demethylpodophyllotoxin is an aryltetralin lignin contained in the root of *Podophyllum hexandrum* and *P. peltatum*. 4'-Demethylpodophyllotoxin exhibits cytotoxic potential in diverse cancer cell lines^{[1][2]}.

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

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