



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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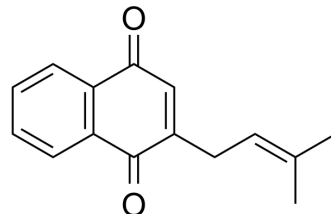
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Deoxylapachol

Cat. No.:	HY-N3733
CAS No.:	3568-90-9
Molecular Formula:	C ₁₅ H ₁₄ O ₂
Molecular Weight:	226.27
Target:	Fungal
Pathway:	Anti-infection
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 : 100 mg/mL (441.95 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		4.4195 mL	22.0975 mL	44.1950 mL
		5 mM		0.8839 mL	4.4195 mL	8.8390 mL
		10 mM		0.4419 mL	2.2097 mL	4.4195 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 (11.05 mM); Suspended solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	Deoxylapachol is a major cytotoxic component of New Zealand brown alga, Landsburgia quercifolia. Deoxylapachol has antifungal and anti-cancer activity ^[1] .
In Vitro	Deoxylapachol is active against P-388 leukemia cells (IC ₅₀ =0.6 microgm/ml). MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- bioRxiv. 2024 Jan 9.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. N B Perry, et al. A cytotoxic and antifungal 1,4-naphthoquinone and related compounds from a New Zealand brown algae, *Landsburgia quercifolia*. J Nat Prod. Jul-Aug 1991;54(4):978-85.

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

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