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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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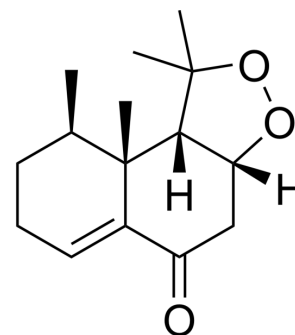
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Nardosinone

Cat. No.:	HY-N0380
CAS No.:	23720-80-1
Molecular Formula:	C ₁₅ H ₂₂ O ₃
Molecular Weight:	250.33
Target:	Others
Pathway:	Others
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 (399.47 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.9947 mL	19.9736 mL	39.9473 mL
		5 mM	0.7989 mL	3.9947 mL	7.9895 mL
10 mM	0.3995 mL	1.9974 mL	3.9947 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 (9.99 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (9.99 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Nardosinone, isolated from <i>Nardostachys chinensis</i> , is the first enhancer of the neuritogenic action of dbcAMP and staurosporine. Nardosinone may become a useful pharmacological tool for studying the mechanism of action of not only nerve growth factor (NGF) but also both the neuritogenic substances ^[1] .
In Vitro	Nardosinone (0.1-100 microM) enhanced dibutyl cyclic AMP (dbcAMP, 0.3 mM)- and staurosporine (10 nM)-induced neurite outgrowth from PC12D cells in a concentration-dependent manner. Nardosinone enhances a downstream step of MAP kinase in the MAP kinase-dependent signaling pathway ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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