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Produktinformation



Forschungsprodukte & Biochemikalien



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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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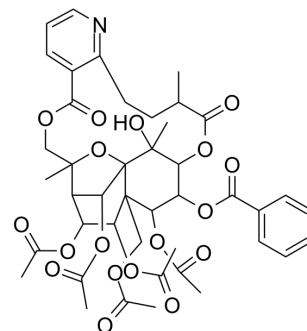
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Wilforine

Cat. No.:	HY-N0899
CAS No.:	11088-09-8
Molecular Formula:	C ₄₃ H ₄₉ NO ₁₈
Molecular Weight:	867.85
Target:	Others
Pathway:	Others
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 : 50 mg/mL (57.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.1523 mL	5.7614 mL	11.5227 mL
		5 mM		0.2305 mL	1.1523 mL	2.3045 mL
		10 mM		0.1152 mL	0.5761 mL	1.1523 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 (2.88 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.88 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Wilforine is a sesquiterpene pyridine alkaloid; important bioactive compound in <i>T. wilfordii</i> plants, and is effective in treating idiopathic pulmonary fibrosis.
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REFERENCES

[1]. Zhu C, et al. Establishment of *Tripterygium wilfordii* Hook. f. Hairy root culture and optimization of its culture conditions for the production of triptolide and wilforine. *J Microbiol Biotechnol.* 2014 Jun 28;24(6):823-34.

[2]. Miao GP, et al. Elicitation and in situ adsorption enhanced secondary metabolites production of *Tripterygium wilfordii* Hook. f. adventitious root fragment liquid cultures in shake flask and a modified bubble column bioreactor. *Bioprocess Biosyst Eng.* 2014 Apr;37(4):641-50.

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

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