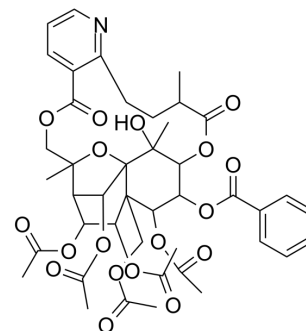


Wilforine

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)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

- 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
- 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 *T. wilfordii* plants, and is effective in treating idiopathic pulmonary fibrosis.

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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