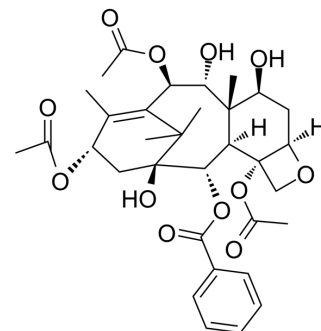


9-Dihydro-13-acetylbaccatin III

Cat. No.:	HY-77434		
CAS No.:	142203-65-4		
Molecular Formula:	C ₃₃ H ₄₂ O ₁₂		
Molecular Weight:	630.68		
Target:	Others		
Pathway:	Others		
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 : 20 mg/mL (31.71 mM; Need ultrasonic)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.5856 mL	7.9280 mL	15.8559 mL
	5 mM	0.3171 mL	1.5856 mL	3.1712 mL
	10 mM	0.1586 mL	0.7928 mL	1.5856 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 mg/mL (3.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2 mg/mL (3.17 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2 mg/mL (3.17 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

9-Dihydro-13-acetylbaccatin III (9-DHAB III) is an intermediate for taxol analog preparations. IC₅₀ value: Target: There are a series of closely related natural organic compounds isolated from the Pacific yew tree (*Taxus brevifolia*) and related species. Taxols have exhibit antitumor agents. 9-Dihydro-13-acetylbaccatin III is an antineoplastic agent and an anti-cancer intermediate.

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA