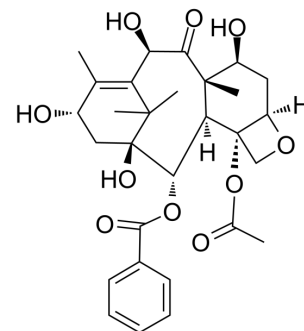


10-Deacetylbaccatin III

Cat. No.:	HY-16565		
CAS No.:	32981-86-5		
Molecular Formula:	C ₂₉ H ₃₆ O ₁₀		
Molecular Weight:	544.59		
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 : 50 mg/mL (91.81 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	1.8362 mL	9.1812 mL	18.3624 mL
	5 mM	0.3672 mL	1.8362 mL	3.6725 mL
	10 mM	0.1836 mL	0.9181 mL	1.8362 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 (4.59 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (4.59 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.59 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	10-Deacetylbaccatin-III is an intermediate for taxol analog preparations. IC50 value: Target: Taxols have exhibit antitumor agents. Several of these taxols can be synthesized from 10- Deacetylbaccatin-III. 10-Deacetylbaccatin III is the fifth intermediate of paclitaxel biosynthesis. The biosynthetic pathway consists of approximately 20 enzymatic steps but is not fully elucidated. 10-Deacetylbaccatin III is an antineoplastic agent and an anti-cancer intermediate.
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REFERENCES

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

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