



SZABO SCANDIC

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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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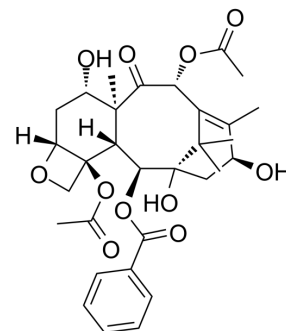
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Baccatin III

Cat. No.:	HY-N6985		
CAS No.:	27548-93-2		
Molecular Formula:	C ₃₁ H ₃₈ O ₁₁		
Molecular Weight:	586.63		
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 : 33.33 mg/mL (56.82 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7047 mL	8.5233 mL	17.0465 mL
	5 mM		0.3409 mL	1.7047 mL	3.4093 mL
	10 mM		0.1705 mL	0.8523 mL	1.7047 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: ≥ 2.08 mg/mL (3.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (3.55 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.55 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Baccatin III is a natural product isolated from Pacific yew tree and related species. Baccatin III reduces tumor progression by inhibiting the accumulation and suppressive function of MDSCs^[1].

REFERENCES

[1]. Lee YH, et al. Baccatin III, a precursor for the semisynthesis of paclitaxel, inhibits the accumulation and suppressive activity of myeloid-derived suppressor cells in tumor-bearing mice. *Int Immunopharmacol.* 2014 Aug;21(2):487-93.

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

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