

Baccatin III

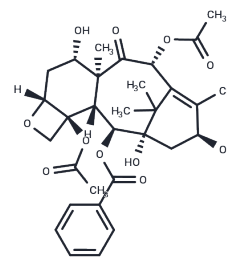
Chemical Properties

CAS No. : 27548-93-2

Formula: C₃₁H₃₈O₁₁

Molecular Weight: 586.63

Storage: Keep away from moisture, Keep away from direct sunlight, Store at low temperature
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Baccatin III (Baccatin III) is a polycyclic diterpene which can be used for the semi-synthesis of paclitaxel and analogs. It has immunomodulatory and anticancer chemotherapeutic activities.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (93.76 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.41 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0341 mL	0.1705 mL	0.3409 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Han F, et al. J Sci Food Agric, 2014, 94: 2376–2383.

Nie Y, Zhang D, Qian F, et al. Baccatin III ameliorates bleomycin-induced pulmonary fibrosis via suppression of TGF- β 1 production and TGF- β 1-induced fibroblast differentiation. International Immunopharmacology. 2019, 74: 105696

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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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