

Baccatin III Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Baccatin III

Catalog No.: CFN98331

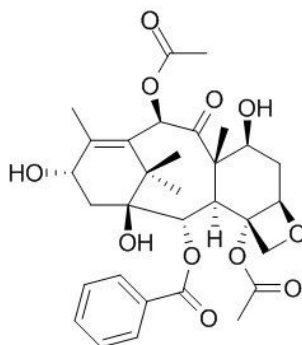
Cas No.: 27548-93-2

Purity: >=98%

M.F: C₃₁H₃₈O₁₁

M.W: 586.6

Physical Description: Cryst.



Synonyms: (2 α ,5 β ,7 β ,10 β ,13 α)-4,10-bis(acetyloxy)-1,7,13-trihydroxy-9-oxo-5,20-epoxytax-11-en-2-yl benzoate.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Synthetic precursor compounds;
4. Intermediates & Fine Chemicals;
5. Others.

[Source]

The barks of *Taxus chinensis*.

[Biological Activity or Inhibitors]

Baccatin III, a precursor of paclitaxel, can induce apoptosis independent of cell cycle arrest.^[1]

[Solvent]

Chloroform, Dichloromethane, Ethyl Acetate, DMSO, Acetone, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 229.8 nm.

[Storage]

2-8°C, Protected from air and light, refrigerate or freeze.

[References]

[1] Rd M M, Johnson K R, Willingham M C, *et al. Cancer Chemother. Pharmacol.*, 1999, 44(6):444-52.

[2] Zu Y, Fu Y, Li S, *et al. J. Sep. Sci.*, 2006, 29(9):123-44.

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