

10-Deacetylbaaccatin III Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 10-Deacetylbaaccatin III

Catalog No.: CFN98421

Cas No.: 32981-86-5

Purity: >=98%

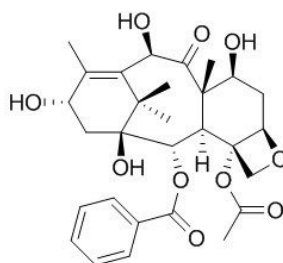
M.F: C₂₉H₃₆O₁₀

M.W: 544.59

Physical Description: Powder

Synonyms: Desacetylbaaccatine ;Baccatin III, Deacetyl-;

12b-(Acetyloxy)-12-(benzoyloxy)-1,2a,3,4,4a,6,9,10,11,12,12a,12b-dodecahydro-4,6,9,11-tetrahydroxy-4a,8,13,13-tetramethyl-7,11-methano-5H-cyclodeca[3,4]benz[1,2-b]oxet-5-one.



[Intended Use]

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

[Source]

The barks of *Taxus yunnanensis* Cheng et L. K. Fu.

[Biological Activity or Inhibitors]

10-Deacetylbaoccatin III can selectively inhibit the growth of *L. donovani* intracellular amastigotes within J774 murine macrophages in vitro at nanomolar concentrations with an IC₅₀ value of 70 nM.^[1]

10-Deacetylbaoccatin III is a readily available paclitaxel precursor.^[2]

[Solvent]

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

[HPLC Method]^[1]

Mobile phase: Acetonitrile-H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 233 nm.

[Storage]

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

[References]

[1] Mroczek T, Glowniak K. *J. Pharm.Biomed. Anal.*, 2001, 26(1):89-102.

[2] Damen E W P, Braamer L, Scheeren H W. *Herba Polonica*, 1998,44(4):238-42.

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