

Cephalomannine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cephalomannine

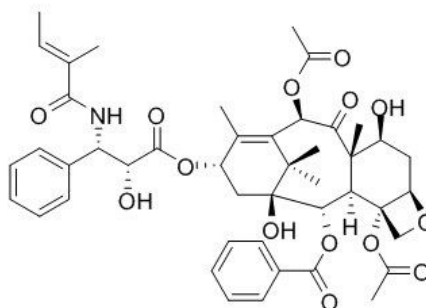
Catalog No.: CFN98518

Cas No.: 71610-00-9

Purity: >=98%

M.F: C₄₅H₅₃NO₁₄

M.W: 831.91



Physical Description: White powder

Synonyms: (2 α ,3 ξ ,5 β ,7 β ,10 β ,13 α)-4,10-bis(acetyloxy)-1,7-dihydroxy-13-[[[(2R,3S)-2-hydroxy-3-[[[(2E)-2-methylbut-2-enoyl]amino]-3-phenylpropanoyl]oxy]-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 *Cephalotaxus sinensis* (Rehd. et Wils.) Li.

[Biological Activity or Inhibitors]

Cephalomannine and 10-deacetyltaxol show cytotoxicity in human glial and neuroblastoma cell-lines.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol -H₂O-Acetonitrile=20:50:30;

Flow rate:1.0 ml/min;

Column temperature: 30℃;

The wave length of determination:227 nm.

[Storage]

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

[References]

[1] Helson L. *Int. J. Oncol.*,1993 Feb;2(2):297-9.

[2] Liu L, Luo J B. *Lishizhen Medicine and Materia Medica Research*,2006, 17(5):754-5.

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