

9-Methoxycamptothecine Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: 9-Methoxycamptothecine

Catalog No.: CFN99729

Cas No.: 39026-92-1

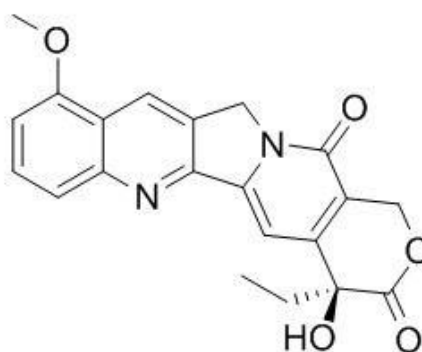
Purity: >=98%

M.F: C₂₁H₁₈N₂O₅

M.W: 378.38

Physical Description: Yellow powder

Synonyms: (4S)-4-Ethyl-4-hydroxy-10-methoxy-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4H,12H)-dione.



[Intended Use]

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

[Source]

The barks of *Camptotheca acuminata* Decne.

[Biological Activity or Inhibitors]

9-Methoxycamptothecin, 10-hydroxycamptothecin, and 20-deoxycamptothecin are effective against a breast cancer cell line, they offer rich alternative plant sources for the anticancer compound, camptothecin.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Acetonitrile-H₂O=75:25 ;

Flow rate: 0.8 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 256 nm.

[Storage]

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

[References]

[1] Ramesha B T, Suma H K, Senthilkumar U, *et al. Phytomedicine*, 2013, 20(6):521-7.

[2] Puri S C, Handa G, Bhat B A, *et al. J. Chromatogr. Sci.*, 2005, 43(7):348-50.

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