

9-Aminocamptothecin Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: 9-Aminocamptothecin

Catalog No.: CFN90309

Cas No.: 91421-43-1

Purity: >=98%

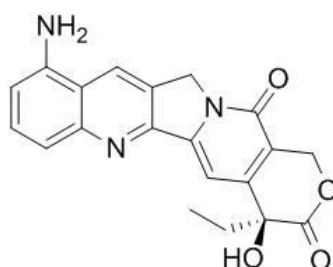
M.F: C₂₀H₁₇N₃O₄

M.W: 363.37

Physical Description: Powder

Synonyms: 9-Amino-20-(S)-camptothecin; (20S)-9-Aminocamptothecin ;

10-Amino-4(s)-4-ethyl-4-hydroxy-1h-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14(4h,12h)-dione;(4S)-4-α-Ethyl-4,12-dihydro-4-hydroxy-10-amino-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-3,14-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-Aminocamptothecin (9-AC) is a water-insoluble derivative of camptothecin which has demonstrated impressive antitumor activity in preclinical models, 9-AC is an active antitumor agent and may be administered safely as a 72-h infusion in patients with cancer.^[1]

9-Aminocamptothecin is a topoisomerase I inhibitor currently being developed as an antineoplastic agent.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol- Phosphate buffer solution (pH=2.5)=48: 52 ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 366 nm.

[Storage]

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

[References]

[1] Rubin E, Wood V, Bharti A, *et al. Clin. Cancer Res.*, 1995, 1(3):269-76.

[2] de Souza P L, Cooper M R, Imondi A R, *et al. Clin. Cancer Res.*, 1997, 3(2):287-94.

[3] Yan Z, Zhu Z L, Xue J H, *et al. Chin. J. Pharm. Anal.*, 2010, 32(7):1721-5.

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