

Epitulipinolide Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Epitulipinolide

Catalog No.: CFN98252

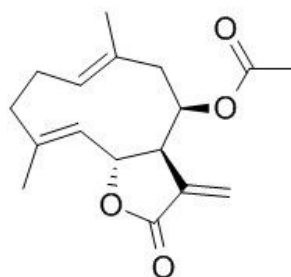
Cas No.: 24164-13-4

Purity: > 95%

M.F: C₁₇H₂₂O₄

M.W: 290.4

Physical Description: Powder



Synonyms: (3aR,4R,6E,10E,11aR)-4-Acetoxy-3a,4,5,8,9,11a-hexahydro-6,10-dimethyl-3-methylenecyclodeca[b]furan-2(3H)-one.

[Intended Use]

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

[Source]

The barks of *Liriodendron chinense* (Hemsl.) Sarg.

[Biological Activity or Inhibitors]

Epitulipinolide has antitumor activity.^[1]

Epitulipinolide diepoxide has antioxidative activity and chemopreventive activity in skin melanoma cells, it can significantly inhibit the proliferation of melanoma cells.^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Methanol -H₂O, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 215 nm.

[Storage]

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

[References]

[1] Doskotch R W, Hufford C D, Elferaly F S.J. *Organic Chem.*, 1972, 37(17):2740-4.

[2] Kang Y F, Liu C M, Kao C L, *et al. Molecules*, 2014, 19(4):4234-45.

[3] Kim N D. *US9283205[P]*. 2016.

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