

Cucurbitacin S Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cucurbitacin S

Catalog No.: CFN90535

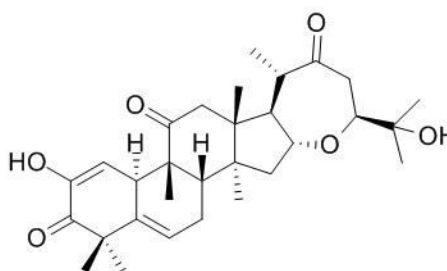
Cas No.: 60137-06-6

Purity: > 98%

M.F: C₃₀H₄₂O₆

M.W: 498.65

Physical Description: Powder



Synonyms: (4R,9beta,16alpha,24S)-2,25-dihydroxy-9,10,14-trimethyl-16,24-epoxy-4,9-cyclo-9,10-secocholesta-2,5-diene-1,11,22-trione; 19-Norlanosta-1,5-diene-3,11,22-trione, 16,24-epoxy-2,25-dihydroxy-9-methyl-, (9beta,10alpha,16alpha,24S)-; Dihydrocucurbitacin F, 25-O-acetate; Hemsecin A.

[Intended Use]

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

[Source]

The rhizomes of *Hemsleya amabilis* Diels.

[Biological Activity or Inhibitors]

Cucurbitacins from *Wilbrandia ebracteata* have analgesic effects.^[1]

Cucurbitacin S has anticancer and antiinflammatory activities. ^[2]

[Solvent]

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

[HPLC Method]^[3]

Mobile phase: Acetonitrile- 2% Acetic acid H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 215 nm.

[Storage]

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

[References]

[1] Peters R R, Farias M R, Ribeiro-Do-Valle R M. *Planta Med.*, 1997, 63(63):525-8.

[2] Jayaprakasam B, Seeram N P, Nair M G. *Cancer Lett.*, 2003, 189(1):11-6.

[3] Feng X S, Wang D C, Cai H, *et al.* *Journal of Chinese Medicinal Materials*, 2007, 30(4):418-20.

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