

Ajugasterone C Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Ajugasterone C

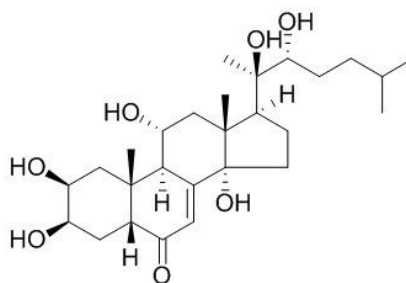
Catalog No.: CFN90616

Cas No.: 23044-80-6

Purity: >99%

M.F: C₂₇H₄₄O₇

M.W: 480.63



Physical Description: Powder

Synonyms: Cholest-7-en-6-one,2,3,11,14,20,22-hexahydroxy-, (2b,3b,5b,11a,22R)-;

5b-Cholest-7-en-6-one, 2b,3b,11a,14,20,22-hexahydroxy-, (22R)- (8CI);

(+)-Ajugasterone C.

[Intended Use]

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

[Source]

The herbs of *Ajuga ciliata* Bunge.

[Biological Activity or Inhibitors]

Ajugasterone C, isolated from the stem bark methanol extracts of *Vitex doniana* Sweet (Lamiaceae), has anti-inflammatory effect, it shows significant inhibitory effect at 100 mg/kg dose on rat paw oedema development due to carrageenan-induced inflammation in Sprague Dawley rats.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: Methanol- Acetonitrile ,gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 210 nm.

[Storage]

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

[References]

[1] Ochieng C O, Ishola I O, Opiyo S A, *et al. Planta Med.*, 2013, 79(1):52-9.

[2] Li X, Hu J, Han H. *J.Sep. Sci.*, 2011, 34(3):323-30.

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