

Curcumenone Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Curcumenone

Catalog No.: CFN92026

Cas No.: 100347-96-4

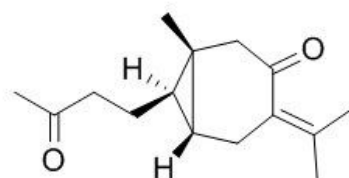
Purity: > 95%

M.F: C₁₅H₂₂O₂

M.W: 234.3

Physical Description: Powder

Synonyms: (1S,6β)-1β-Methyl-4-(1-methylethylidene)-7β-(3-oxobutyl)bicyclo[4.1.0]heptan-3-one.



[Intended Use]

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

[Source]

The rhizome of *Curcuma zedoaria*.

[Biological Activity or Inhibitors]

Curcumenone, isolated from *C. zedoaria* extract, has protective effect on drunkenness and decreases in the elevation of blood alcohol concentrations through increased liver alcohol dehydrogenase activity.^[1]

Curcumenone shows potent protective effect on d -galactosamine/lipopolysaccharide-induced acute liver injury in mice.^[2]

Curcumenone shows antioxidant activity. ^[3]

[Solvent]

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

[HPLC Method]^[4]

Mobile phase: Acetonitrile- H₂O, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 244 nm.

[Storage]

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

[References]

[1] Kimura Y, Sumiyoshi M, Tamaki T. *Fitoterapia*, 2013, 84(3):163-9.

[2] Matsuda H, Morikawa T, Ninomiya K, *et al. Bioorg. Med. Chem.*, 2001, 9(4):909-16.

[3] Hamdi O A A, Ye L J, Kamarudin M N A, *et al. Rec. Nat. Prod.*, 2015, 9(3) :349-35.

[4] Zhu J J, An Y W, Hu G, *et al. Molecules*, 2013, 18(2):2110-21.

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