

Eucalyptin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Eucalyptin

Catalog No.: CFN98395

Cas No.: 3122-88-1

Purity: > 95%

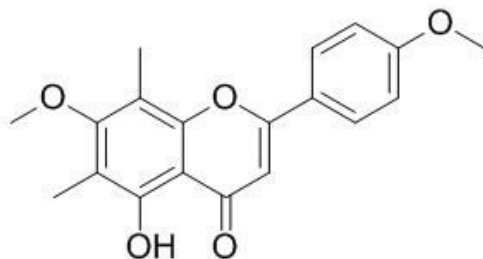
M.F: C₁₉H₁₈O₅

M.W: 326.4

Physical Description: Yellow powder

Synonyms: 5-Hydroxy-7-methoxy-2-(4-methoxyphenyl)-6,8-dimethylchromen-4-one;

5-Hydroxy-7,4'-dimethoxy-6,8-dimethylflavone.



[Intended Use]

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

[Source]

The branch of *Eucalyptus globulus*.

[Biological Activity or Inhibitors]

Eucalyptin A exhibits potent inhibition on HGF/c-Met axis.^[1]

Eucalyptin has antioxidant and antimicrobial properties.^[2]

Eucalyptin and 8-desmethyl-eucalyptin exhibit potent antimicrobial activities against seven micro-organisms with minimum inhibitory concentrations (MIC) ranging from 1.0 to 31 mg/L.^[3]

[Solvent]

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

[HPLC Method]

Not data available.

[Storage]

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

[References]

[1] Yang SP, Zhang XW, Ai J, *et al. J. Med. Chem.*,2012 Sep 27;55(18):8183-7.

[2] Maleknia S D, Vail T M, Cody R B, *et al. Rapid Commun.Mass Spectrom.*,2009 Aug; 23(15):2241-6.

[3] Takahashi T, Kokubo R, Sakaino M. *Lett .Appl. Microbiol.*,2004;39(1):60-4.

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