

Dimethylcurcumin Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Dimethylcurcumin

Catalog No.: CFN90607

Cas No.: 52328-98-0

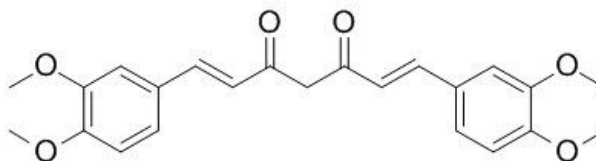
Purity: >=98%

M.F: C₂₃H₂₄O₆

M.W: 396.43

Physical Description: Powder

Synonyms: 1,4,6-Heptatrien-3-one, 1,7-bis(3,4-dimethoxyphenyl)-5-hydroxy-, (1E,4Z,6E)-.



[Intended Use]

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

[Source]

The rhizomes of *Curcuma rchenyujin*.

[Biological Activity or Inhibitors]

Dimethyl curcumin and 4-ethoxycarbonylethyl curcumin developed previously are found to

be active anti-androgen receptor agents, which show greater potency than hydroxyflutamide, an anti-androgen currently used clinically.^[1]

[Solvent]

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

[HPLC Method]^[2]

Mobile phase: CH₂Cl₂—Methyl tbutyl ether, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 428 nm.

[Storage]

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

[References]

[1] Li Lin. *The University Of North Carolina At Chapel Hill*. 2005.

[2] Sundaryono A, Nourmamode A, Gardrat C, *et al. J. Mol. Struct.*, 2003, 649(1):177-90.

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