

## Dimethylcurcumin Datasheet

5<sup>th</sup> Edition (Revised in January, 2017)

### [ Product Information ]

**Name:** Dimethylcurcumin

**Catalog No.:** CFN90607

**Cas No.:** 52328-98-0

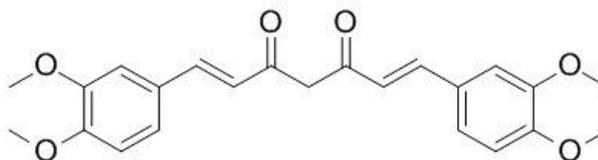
**Purity:** >=98%

**M.F:** C<sub>23</sub>H<sub>24</sub>O<sub>6</sub>

**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.<sup>[1]</sup>

## **[ Solvent ]**

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

## **[ HPLC Method ]<sup>[2]</sup>**

Mobile phase: CH<sub>2</sub>Cl<sub>2</sub>–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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