

## Cepharadione B Datasheet

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

### [ Product Information ]

**Name:** Cepharadione B

**Catalog No.:** CFN94151

**Cas No.:** 55610-02-1

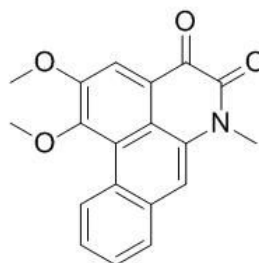
**Purity:** > 98%

**M.F:** C<sub>19</sub>H<sub>15</sub>NO<sub>4</sub>

**M.W:** 321.33

**Physical Description:** Powder

**Synonyms:** 1,2-Dimethoxy-6-methyl-4H-dibenzo[de,g]quinoline-4,5(6H)-dione.



### [ Intended Use ]

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

### [ Source ]

The roots of *Stephania cepharantha* Hayata.

### [ Biological Activity or Inhibitors ]

Cepharadione B exhibits strong tyrosinase inhibitory activity with an IC<sub>50</sub> value of 170 microM.<sup>[1]</sup>

Cepharadione B exhibits significant cytotoxicity against five human tumor cell lines (A-549, SK-OV-3, SK-MEL-2, XF-498 and HCT-15) in vitro.<sup>[2]</sup>

### [ **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] Chou S C, Su C R, Ku Y C, *et al. Chem. Pharm. Bull. (Tokyo).*, 2009 ,57(11):1227-30.

[2] Kim S K, Shi Y R, No J, *et al. Arch. Pharm.Res.*, 2001, 24(6):518-21.

### [ **Contact** ]

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