

## Mulberrofuran A Datasheet

4<sup>th</sup> Edition (Revised in July, 2016)

### [ Product Information ]

**Name:** Mulberrofuran A

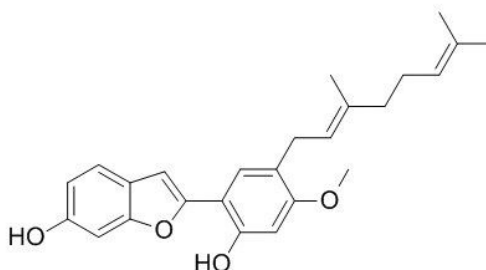
**Catalog No.:** CFN92772

**Cas No.:** 68978-04-1

**Purity:** > 95%

**M.F:** C<sub>25</sub>H<sub>28</sub>O<sub>4</sub>

**M.W:** 392.5



**Physical Description:** Powder

**Synonyms:** 2-[2-[(2E)-3,7-Dimethyl-2,6-octadien-1-yl]-5-hydroxy-3-methoxyphenyl]-6-benzofuranol.

### [ Intended Use ]

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

### [ Source ]

The root bark of *Morus alba* L.

### [ Biological Activity or Inhibitors ]

Mulberrofuran A can inhibit the formations of 12-hydroxy-, 8, 10-heptadecatrienoic acid (HHT) and thromboxane B2, but it can increase the formation of 12-hydroxy-5, 8, 10, 14-eicosatetraenoic acid (12-HETE).[1]

## **[ Solvent ]**

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

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

Mobile phase: 0.05% Formic acid in water- 0.05% Formic acid in acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 254 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Kimura Y, Okuda H, Nomura T, *et al. Chem. Pharm. Bull.*, 1986, 34(3):1223-7.

[2] Geng C A, Chen H, Chen X L, *et al. Int. J. Mass Spectrom.*, 2014, 361(1):9-22.

## **[ Contact ]**

### **Address:**

S5-3 Building, No. 111, Dongfeng Rd.,  
Wuhan Economic and Technological Development Zone,  
Wuhan, Hubei 430056,  
China

**Email:** [info@chemfaces.com](mailto:info@chemfaces.com)

**Tel:** +86-27-84237783

**Fax:** +86-27-84254680

**Web:** [www.chemfaces.com](http://www.chemfaces.com)

**Tech Support:** [service@chemfaces.com](mailto:service@chemfaces.com)