

## Mulberrin Datasheet

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

### [ Product Information ]

**Name:** Mulberrin

**Catalog No.:** CFN97085

**Cas No.:** 62949-79-5

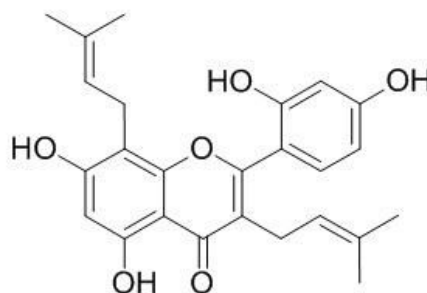
**Purity:** > 95%

**M.F:** C<sub>25</sub>H<sub>26</sub>O<sub>6</sub>

**M.W:** 422.5

**Physical Description:** Yellow powder

**Synonyms:** 2-(2,4-Dihydroxyphenyl)-5,7-dihydroxy-3,8-bis(3-methylbut-2-en-1-yl)-4H-chromen-4-one.



### [ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.

### [ Source ]

The root bark of *Morus alba* L.

### **[ Biological Activity or Inhibitors ]**

Mulberrin can significantly reduce role on blood sugar of type II diabetes model of rats.<sup>[1]</sup>

Mulberrin is a compound as a Human immunodeficiency virus type 1 reverse transcriptase inhibitor from virtual screening against Indonesian Herbal Database using AutoDock4 performed on HIV-1 reverse transcriptase.<sup>[2]</sup>

### **[ Solvent ]**

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

### **[ HPLC Method ]<sup>[3]</sup>**

Mobile phase: 1% Acetic acid in water- Acetonitrile, gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 30 °C;

The wave length of determination: 303 nm.

### **[ Storage ]**

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

### **[ References ]**

[1]Jin X M, Wei Y, Yang S P. *Journal of Traditional Chinese Medicine University of Hunan*, 2011, 31(5):26-8.

[2] Syahdi R R, Mun'Im A, Suhartanto H, *et al. Bioinformation*, 2012, 8(24):1206-10.

[3] Chen Q , Sun DY, Deng L F, *et al. China Pharmacy*, 2015,26 (3):364-6.

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