

## 6',7'-Dihydroxybergamottin Datasheet

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

### [ Product Information ]

**Name:** 6',7'-Dihydroxybergamottin

**Catalog No.:** CFN98307

**Cas No.:** 264234-05-1

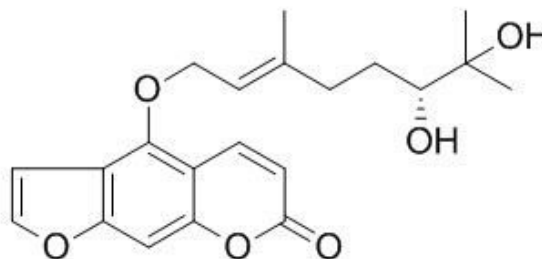
**Purity:** > 95%

**M.F:** C<sub>21</sub>H<sub>24</sub>O<sub>6</sub>

**M.W:** 372.4

**Physical Description:** Powder

**Synonyms:**



### [ Intended Use ]

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

### [ Source ]

The peels of *Citrus maxima*.

### [ Biological Activity or Inhibitors ]

6',7'-Dihydroxybergamottin(DHB), a well-known inhibitor of CYP3A4, the inhibition of CYP3A4 activity by DHB includes the inhibition of POR activity, DHB can inhibit nifedipine oxidation in a concentration-dependent manner.<sup>[1]</sup>

## **[ Solvent ]**

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

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

Mobile phase: Methanol -H<sub>2</sub>O=75:25;

Flow rate:1.0 ml/min;

Column temperature: 40°C;

The wave length of determination:310 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Nobutaka Araki, Shuichi Tsuruoka, Gohki Hasegawa, *et al. J. Pharm. Pharmacol.*, 2012  
*Dec;64(12):1715-21*

[2] Fujita T, Kawase A, Niwa T, *et al. Biol. Pharm. Bull.*,2008, 31(5):925-30.

## **[ Contact ]**

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