

## Neosperidin dihydrochalcone Datasheet

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

### [ Product Information ]

**Name:** Neosperidin dihydrochalcone

**Catalog No.:** CFN98168

**Cas No.:** 20702-77-6

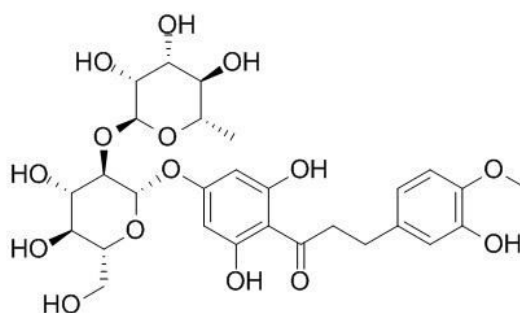
**Purity:** >=98%

**M.F:** C<sub>28</sub>H<sub>36</sub>O<sub>15</sub>

**M.W:** 612.58

**Physical Description:** Powder

**Synonyms:** Neohesperidin Dihydrochalcone Hydrate; Neohesperidin dihydrochalcone.



### [ Intended Use ]

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

### [ Source ]

The peel of *Citrus maxima*.

### [ Biological Activity or Inhibitors ]

Neosperidin dihydrochalcone, a derivative of dihydrochalcone, is a new sweetener, it has a clean sweet taste and a good flavour profile, thus, it has been broadly utilized in food industry.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, etc.

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

Mobile phase: Methanol -H<sub>2</sub>O=48:52 ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 280 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wen H L, Ouyang Z Y, Hu X B, *et al. China Condiment*, 2008, 33(10):70 -3.

[2] Xu G B, Yuan X H, Suo Z R, *et al. Food Research and Development*, 2010, 31(11): 153-5.

## **[ 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)