



## Petunidin-3-O-galactoside chloride Datasheet

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

### [ Product Information ]

**Name:** Petunidin-3-O-galactoside chloride

**Catalog No.:** CFN92042

**Cas No.:** 28500-02-9

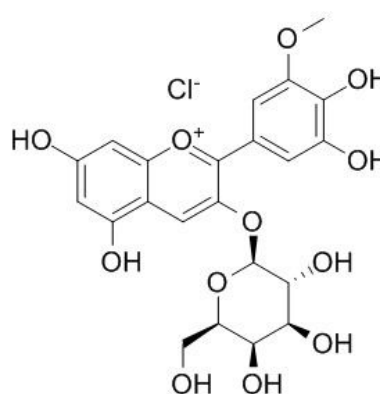
**Purity:** > 95%

**M.F:** C<sub>22</sub>H<sub>23</sub>ClO<sub>12</sub>

**M.W:** 514.9

**Physical Description:** Powder

**Synonyms:** Petunidin 3-galactoside.



### [ Intended Use ]

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

### [ Source ]

The fruits of *Vaccinium myrtillus*.

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

Petunidin-3-O-galactoside chloride, one of flavonoids in blueberries (*Vaccinium corymbosum* L.), has antioxidant capacity, and proper use of UV-C illumination is capable of modifying the phytochemical content of blueberries.<sup>[1]</sup>

## **[ Solvent ]**

Pyridine, Methanol, Ethanol, Hot water, etc.

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

Mobile phase: 1% Formic acid in Acetonitrile- 1%Formic acid in H<sub>2</sub>O,gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: 40 °C;

The wave length of determination: 520 nm.

## **[ Storage ]**

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

## **[ References ]**

[1] Wang C Y, Chen C T, Wang S Y. *Food Chem.*, 2009, 117(3):426-31.

[2] Jr T A, Chang C, Edirisinghe I, *et al. J. Agr. Food Chem.*, 2012, 60(23):5803-12.

## **[ 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)