



Peonidin-3-O-galactoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Peonidin-3-O-galactoside chloride

Catalog No.: CFN92045

Cas No.: 28148-89-2

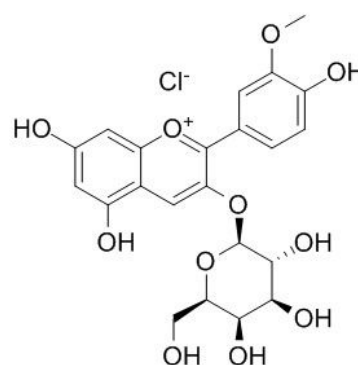
Purity: > 95%

M.F: C₂₂H₂₃ClO₁₁

M.W: 498.9

Physical Description: Powder

Synonyms:



[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]

Peonidin-3-O-galactoside chloride has antioxidant activity.^[1]

Peonidin-3-O-galactoside is an effective soybean lipoxygenase-1 inhibitor, as a mechanism by which anthocyanins may exert health promoting effects. ^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: 1% Formic acid in Acetonitrile- 1%Formic acid in H₂O,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] D Malenčić, J Cvejić, J Miladinović. *J. Med .Food*, 2012, 15(1):89-95.

[2] Bastian K, Anett O, Anagnostis V, *et al. Mol. Nutr. Food Res.*, 2009, 53(5):617-24.

[3] 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

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com