



Peonidin-3-O-glucoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Peonidin-3-O-glucoside chloride

Catalog No.: CFN92046

Cas No.: 6906-39-4

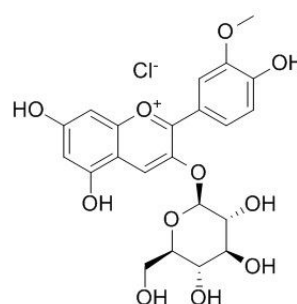
Purity: > 95%

M.F: C₂₂H₂₃ClO₁₁

M.W: 498.9

Physical Description: Powder

Synonyms: Oxycoccicyanin; Peonidin 3-glucoside.



[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-glucoside, cyanidin-3-glucoside, proanthocyanidin dimers, proanthocyanidin trimers, and catechin are highly correlated with antioxidant activities, and are more plentiful in black and red rice seeds, these results are expected to provide valuable information that could help improve and develop rice-breeding techniques.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[2]

Mobile phase: 0.1%Fomic acid in water- 0.1%Fomic acid in methanol, gradient elution;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 530 nm.

[Storage]

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

[References]

[1] Kim G R, Jung E S, Lee S, *et al. Molecules*, 2014, 19(10):15673-86.

[2] Ha T J, Lee M H, Yu N J, *et al. Food Sci. Biotechnol.*, 2010, 19(3):821-6.

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