



Pelargonidin-3-O-glucoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pelargonidin-3-O-glucoside chloride

Catalog No.: CFN92134

Cas No.: 18466-51-8

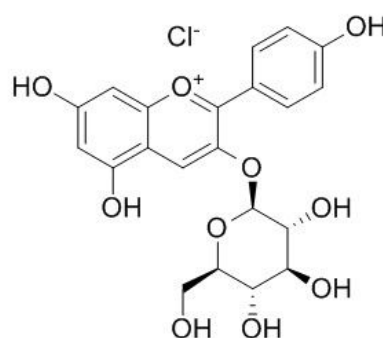
Purity: > 95%

M.F: C₂₁H₂₁O₁₀Cl

M.W: 468.8

Physical Description: Powder

Synonyms: Callistephin; Pelargonidin 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]

Pelargonidin-3-O-glucoside chloride, cyanidin-3-O-galactoside chloride penetrate only the outer part of the external lipid layer of liposomes composed of erythrocyte lipids, DPPC, DPPC/cholesterol and egg lecithin lipids, changing its packing order; they have antioxidant activity, was comparable with the activity of Trolox.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[2]

Mobile phase: Acetonitrile-5%Formic acid H₂O=24:76 ;

Flow rate: 1.0 ml/min;

Column temperature: 25 °C;

The wave length of determination: 525 nm.

[Storage]

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

[References]

[1] Bonarska-Kujawa D, Pruchnik H, Kleszczyńska H. *Cell Mol. Biol. Lett.*, 2012, 17(2): 289-308.

[2] You H, Ouyang J, Yan-Wen W U, *et al. Journal of Instrumental Analysis*, 2010, 3.

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