



Pelargonidin-3,5-O-diglucoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Pelargonidin-3,5-O-diglucoside chloride

Catalog No.: CFN92170

Cas No.: 17334-58-6

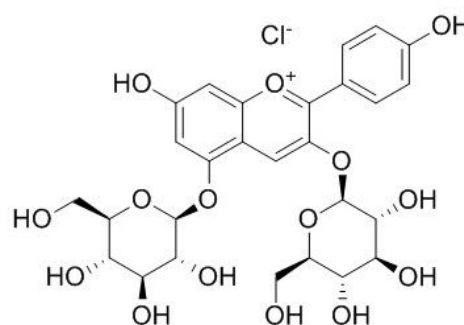
Purity: > 95%

M.F: C₂₇H₃₁O₁₅Cl

M.W: 631.0

Physical Description: Powder

Synonyms: Pelargonin; Monardin; Salvinin; Punicin.



[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-3,5-diglucoside has antioxidant activity.^[1]

Pelargonidin-3,5-diglucoside has protective action of a natural preparation of anthocyan, has the pronounced radioprotective effect and the absence of the toxic effect.^[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] Kähkönen M P, Heinonen M. *J. Agr. Food. Chem.*, 2003, 51(3):628-33.

[2] Akh A, Zaichkina S I, Rkh R, *et al. Radiobiologiya*, 1993, 33(3):433-5.

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

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