



Malvidin-3-O-galactoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Malvidin-3-O-galactoside chloride

Catalog No.: CFN92048

Cas No.: 30113-37-2

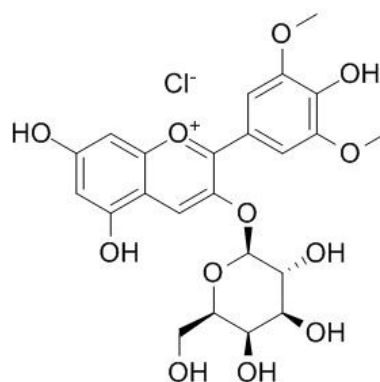
Purity: > 95%

M.F: C₂₃H₂₅ClO₁₂

M.W: 528.9

Physical Description: Powder

Synonyms: Malvidin 3-galactoside; Primulin; Uliginosin.



[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]

Malvidin-3-Galactoside Chloride (Mv-3-gal-Cl) can inhibit TNF- α -induced inflammation in human umbilical vein endothelial cells (HUVEC), the anti-inflammatory effect of Mv-3-gal-Cl provides a theoretical basis for preventing and treating pro-inflammatory cytokines-induced endothelial dysfunction and cardiovascular diseases resulting from inflammation.^[1]

Malvidin-3-Galactoside Chloride has antioxidant activity.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[2]

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] Wang J, Huang W, Li C Y, *et al. Food Sci.*,2014, 35(9): 241-5.

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

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