

Delphinidin-3-O-arabinoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Delphinidin-3-O-arabinoside chloride

Catalog No.: CFN92039

Cas No.: 171370-55-1

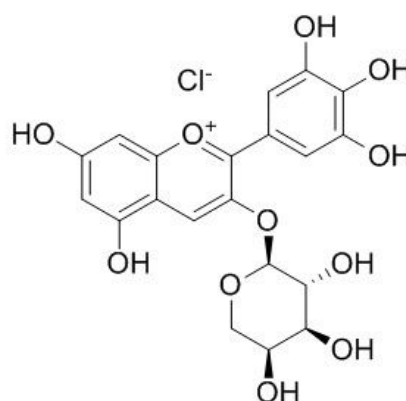
Purity: > 95%

M.F: C₂₀H₁₉ClO₁₁

M.W: 470.8

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]

.Delphinidin-3-O-arabinoside chloride is one compound in Pomace extracts of Saskatoon berries, has antioxidant activity, and used as suitable food product applications.^[1]

[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] Li R, Hettiarachchy N, Rayaprolu S, *et al. J. Med. Food*, 2014, 17(3):384-92.

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

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