



Cyanidin-3-O-arabinoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cyanidin-3-O-arabinoside chloride

Catalog No.: CFN92041

Cas No.: 111613-04-8

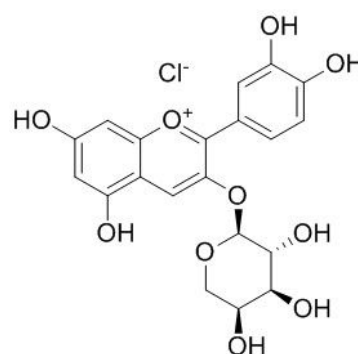
Purity: > 95%

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. Others.

[Source]

The fruits of *Vaccinium myrtillus*.

[Biological Activity or Inhibitors]

Cyanidin-3-O-arabinoside chloride and other one or two anthocyanins, wherein the anthocyanin radical of said anthocyanins are essentially selected from the group consisting of (a) Delphinidin and/or (b) Cyanidin, and the corresponding sugar radicals are essentially selected from the group consisting of glucose, galactose, xylose, arabinose, rutinose, sophorose, sambubiose, or their mixtures, could be as a dietary supplement composition.^[1]

Cyanidin-3-O-arabinoside has antioxidant activity.^[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] Stürtz M, Roloff M, Herbst H T, *et al.* , *EP2682005[P]*. 2014.

[2] J Veljković, J Brčanović, A Pavlović, *et al.* *Acta Facultatis Medicae Naissensis*, 2014, 31(4):245-52.

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

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