



Cyanidin 3-sophoroside chloride Datasheet

5th Edition (Revised in January, 2017)

[Product Information]

Name: Cyanidin 3-sophoroside chloride

Catalog No.: CFN90469

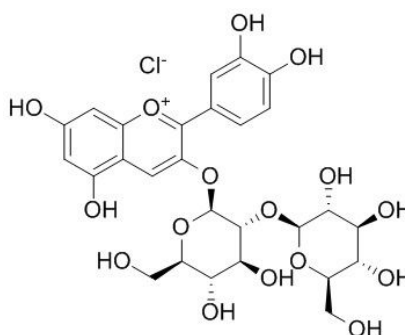
Cas No.: 18376-31-3

Purity: >=98%

M.F: C₂₇H₃₁O₁₆.Cl

M.W: 646.99

Physical Description: Powder



Synonyms: 3-[(2-O-beta-D-Glucopyranosyl-D-glucosyl)oxy]-3',4',5,7-tetrahydroxyflavylium chloride.

[Intended Use]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Others.

[Source]

The fruits of *Vaccinium myrtillus*.

[Biological Activity or Inhibitors]

Cyanidin-3-sophoroside has antioxidant capacity.^[1]

[Solvent]

Pyridine, Methanol, Ethanol, etc.

[HPLC Method]^[2]

Mobile phase: 5% Formic acid in water- (Formic acid-water- acetonitrile=1:4:5), gradient elution ;

Flow rate: 1.0 ml/min;

Column temperature: Room Temperature;

The wave length of determination: 530 nm.

[Storage]

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

[References]

[1] Mullen W, McGinn J, Lean ME, *et al.* *J. Agric. Food Chem.*, 2002, 50(18):5191-6.

[2] Zarena A S, Sankar K U. *Food Chem.*, 2012, 130(3):665-70.

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