



Cyanidin-3-O-rutinoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cyanidin-3-O-rutinoside chloride

Catalog No.: CFN92135

Cas No.: 18719-76-1

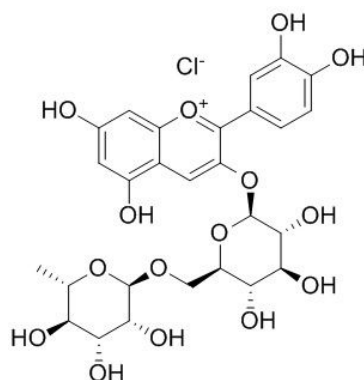
Purity: > 95%

M.F: C₂₇H₃₁O₁₅Cl

M.W: 629.0

Physical Description: Powder

Synonyms: Keracyanin; Ceracyanin; Sambucin; Antirrhinin; Cyanidin 3-rutinoside; Cyaninoside; Meralop; Noctilux; Nyctalux; Prunicyanin; Oleocyanin.



[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]

Cyanidin-3- O -rutinoside is one compound of Olive (*Olea europaea*), has antioxidant activity and inhibitory effect against lipid peroxidation in mice liver. ^[1]

Cyanidin-3- O -rutinoside may have a UV-protective effect and tartary buckwheat may accumulate cyanidin-3- O -glucoside and cyanidin-3- O -rutinoside systematically to afford effective protection against UV stress.^[2]

Cyanidin-3-O-rutinoside chloride of blackcurrant cultivar polyphenolic extracts may be an important determinant in influencing CCL26 suppression in lung cells.^[3]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[4]

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] Sabir M S. *Türk Biyokimya Dergisi*, 2015, 113(1):265-9.

[2] Eguchi K, Sato T. *Plant Prod. Sci.*, 2009, 12(2):150-5.

[3] Nyanhanda T, Gould E M, Mcghie T, *et al. Food Funct.*, 2014, 5(4):671-7.

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

[Contact]

Address:

S5-3 Building, No. 111, Dongfeng Rd.,
Wuhan Economic and Technological Development Zone,
Wuhan, Hubei 430056,
China

Email: info@chemfaces.com

Tel: +86-27-84237783

Fax: +86-27-84254680

Web: www.chemfaces.com

Tech Support: service@chemfaces.com