



Cyanidin-3,5-O-diglucoside chloride Datasheet

4th Edition (Revised in July, 2016)

[Product Information]

Name: Cyanidin-3,5-O-diglucoside chloride

Catalog No.: CFN92138

Cas No.: 2611-67-8

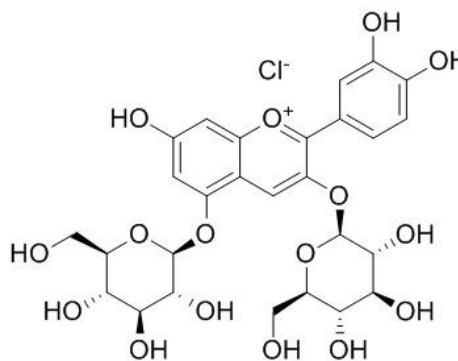
Purity: > 95%

M.F: C₂₇H₃₁O₁₆Cl

M.W: 647.0

Physical Description: Powder

Synonyms: Cyanidin 3,5-di-O-glucoside.



[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-glucoside chloride has antioxidant properties.^[1]

Cyanidin-3,5-O-diglucoside is ineffective to inhibit Na-dependent glucose uptake into brush-border-membrane vesicles (BBMV).^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: 5% Aqueous for mic acid -Acetonitrile, 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] Brett P K A M O. *Anal. Lett.*, 2006, 39(14):2687-97.

[2] Cermak R. *Brit. J. Nutr.*, 2004, 91(6):849-55.

[3] Santiago MCPDA, Godoy RLDO, Borguini RG, *et al. Braz.J. Food Technol.*, 2014, 17 (13-14):710-2.

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