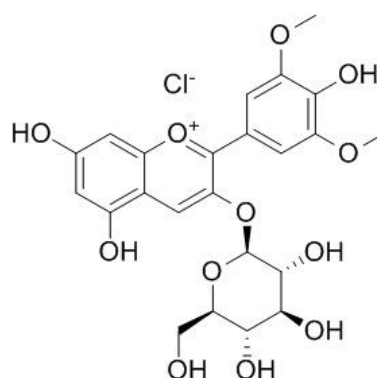


Malvidin-3-O-glucoside chloride Datasheet

4th Edition (Revised in July, 2016)**[Product Information]****Name:** Malvidin-3-O-glucoside chloride**Catalog No.:** CFN92049**Cas No.:** 7228-78-6**Purity:** > 95%**M.F:** C₂₃H₂₅ClO₁₂**M.W:** 528.9**Physical Description:** Powder**Synonyms:** Malvidin 3-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]

Malvidin-3-O-glucoside chloride has antioxidant properties .^[1]

Malvidin-3-Galactoside Chloride has anti-inflammatory effect, can inhibit TNF- α -induced inflammation in HUVECs, provides a theoretical basis for preventing and treating pro-inflammatory cytokinesinduced endothelial dysfunction and cardiovascular diseases resulting from inflammation.^[2]

[Solvent]

Pyridine, Methanol, Ethanol, Hot water, etc.

[HPLC Method]^[3]

Mobile phase: Ethanol- H₂O= 70 : 30 ;

Flow rate: 1.0 ml/min;

Column temperature: 35 °C;

The wave length of determination: 520 nm.

[Storage]

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

[References]

[1] Xu F, Luan L Y, Zhang Z W, *et al. Molecules*, 2014, 19(7):10189-207.

[2] Wang J, Huang W, Li C Y, *et al. Food Sci.*, 2014, 35(9):41-5 .

[3] Brett P K A M O. *Anal. Lett.*, 2006, 39(14):2687-97.

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