Cyanidin Chloride Datasheet

4th Edition (Revised in July, 2016)

[ Product Information ]

Name: Cyanidin Chloride
Catalog No.: CFN99741
Cas No.: 528-58-5
Purity: >=98%
M.F: C_{15}H_{11}O_{6}Cl
M.W: 322.70
Physical Description: Powder
Synonyms: 2-(3,4-dihydroxyphenyl)-3,5,7-trihydroxy-1-benzopyryliumchloride;
3,3′,4′,5,7-pentahydroxy-flavyliuchloride; Cyanidol.

[ Intended Use ]

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

[ Source ]

The peel of Glycinemax (L.) merr.

[ Biological Activity or Inhibitors ]
Cyanidinum chloride-loaded liposomes have in vitro and in vivo antibacterial activities against a resistant strain of Pseudomonas aeruginosa.\cite{1}
Cyanidin chloride has strong antioxidative activity in a liposomal system and reduces the formation of malondialdehyde by UVB irradiation.\cite{2}

[ **Solvent** ]

Pyridine, Methanol, Ethanol, etc.

[ **HPLC Method** ]\cite{3}

Mobile phase: 5 mM Heptanesulfonate acid sodium salt-Acetonitrile-Glacial acetic acid=73:27:1.5 ;
Flow rate: 1.0 ml/min;
Column temperature: Room Temperature;
The wave length of determination: 530 nm.

[ **Storage** ]

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

[ **References** ]


[ **Contact** ]

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