



CERTIFICATE OF ANALYSIS

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1. Identification

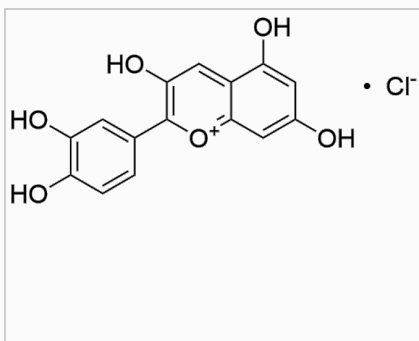
Catalogue Number: C953645

CAS Number: 528-58-5

Product: Cyanidin Chloride

Synonym: 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxybenzopyrylium Chloride; 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-1-benzopyrylium Chloride; Cyanidol; 3,3',4',5,7-Pentahydroxy-flavylium Chloride; 2-(3,4-Dihydroxyphenyl)-3,5,7-trihydroxy-1-benzopyrylium Chloride; 3,3',4',5,7-Pentahydroxy-2-phenylbenzopyrylium Chloride; 3,3',4',5,7-Pentahydroxyflavylium Chloride; Cyanidin; Cyanidin Chloride; Cyanidine; Cyanidol Chloride; IdB 1027;

Structure:



Molecular Formula:

$C_{15}H_{11}ClO_6$

Molecular weight:

322.7

Source of Product:

Synthetic

Solubility:

No Data Available

Lot Number: 11-EAW-113-3

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Dark Red to Very Dark Red Solid	Very Dark Red Solid
Chloride Content	Report Result	10.6%
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.57, %H: 3.65
HPLC Purity	Report Result	100.00% (530 nm)
MS	Conforms to Structure	Conforms
Water Content	Report Result	~5.0% based on Elemental Analysis

Additional Information: Contains: ~1.2% Methanol

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Swathi Reddy	Toni Rantanen	Chanell Chu	3/10/2022	3/8/2026
				