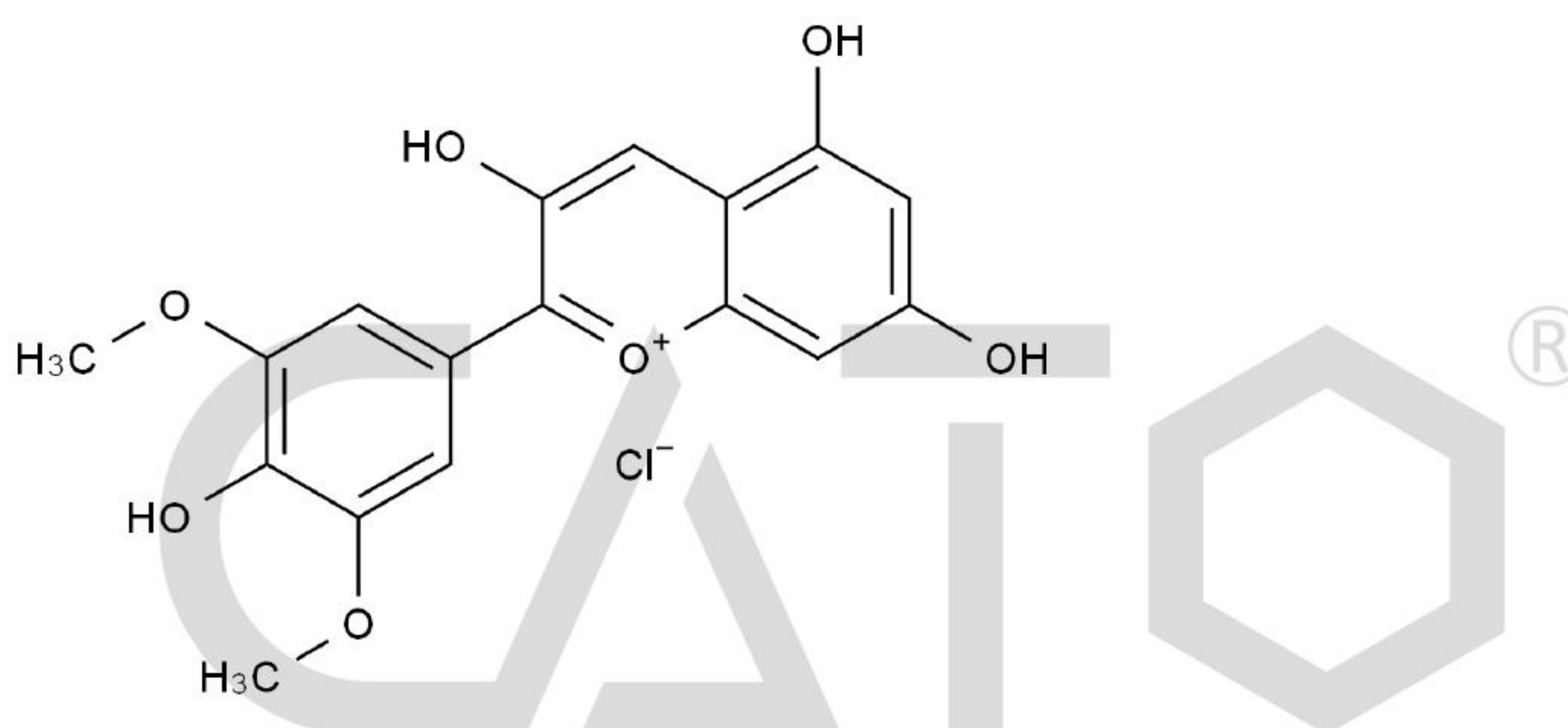


Certificate of Analysis

Reference Material & Standard

Product Name:	Malvidin Chloride	Catalogue Number:	CCPE901358
Synonyms:	N/A	Lot Number:	0515-RE-0158
CAS Number:	643-84-5	Expiry Date:	Jan 06, 2030
Molecular Formula:	C ₁₇ H ₁₅ O ₇ Cl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	331.30 35.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Black Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	99.0%
Uncertainty		±0.2%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jan 07, 2026

Date: Jan 07, 2026

Date: Jan 07, 2026



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