

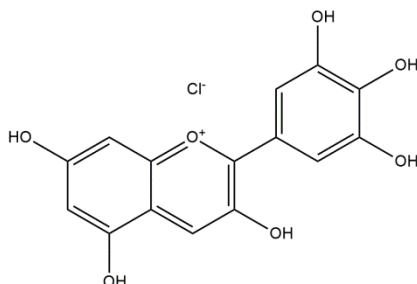
Delphinidin (chloride)

5/19

ALTERNATE NAMES: Delphinidol, Ephdine, 3,5,7-Trihydroxy-2-(3,4,5-trihydroxyphenyl)benzopyrylium chloride, 1-Benzopyrylium, 3,5,7-trihydroxy-2-(3,4,5-trihydroxyphenyl)-, chloride, 2-(3,4,5-trihydroxyphenyl)chromenylium-3,5,7-triol chloride, 3,3',4',5,5',7-Hexahydroxyflavylium chloride

CATALOG #: B2807-1 1 mg
B2807-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₁₁ClO₇

MOLECULAR WEIGHT: 338.70

CAS NUMBER: 528-53-0

APPEARANCE: Crystalline solid

PURITY: ≥97%

SOLUBILITY: ~30 mg/ml in ethanol, DMSO and DMF

DESCRIPTION: Delphinidin is a natural plant pigment. It serves as the precursor of certain anthocyanins. It is used as an anthocyanin standard. The pigment is found in grapes, cranberries, and some flowers. It is an antioxidant. It shows multiple effects. It causes vasorelaxation by inducing the release of nitric oxide by vascular endothelium. It induces apoptosis in HER2-overexpressing breast cancer cells. It also inhibits the histone acetyltransferase activities of p300/CBP.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

DPVP (Cat. No. B1243)
 Sulforaphane (Cat. No. B2801)
 Resveratrol (Cat. No. 1758)
 Rhapontigenin (Cat. No. 2074)
 Curcumin, Curcuma longa (Cat. No. 1850)

DISCLAIMER: ***FOR RESEARCH USE ONLY! Not to be used on humans.***