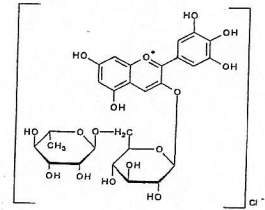




INDOFINE Chemical Company, Inc.

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HPLC

Lot No.: 11052301

DELPHINIDIN-3-O-RUTINOSIDE CHLORIDE

020901S

IDENTIFICATION

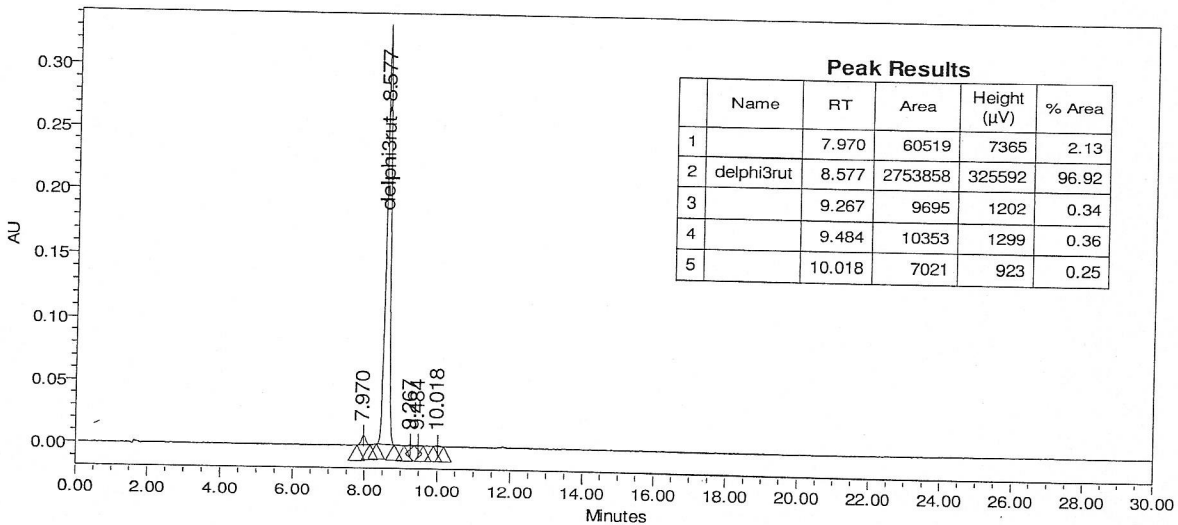
CAS number	[15674-58-5]
Chemical family	Anthocyanins
Synonym	Tulipanin
Molecular formula	C ₂₇ H ₃₁ O ₁₆ Cl
Molecular weight	646.98

CERTIFICATE OF ANALYSIS

Appearance	Powder
Thin layer chromatography support	Cellulose
solvent	Acetic acid/Water/Hydrochloric acid (70/23/7, V/V/V)
detection	Visible
Absorption maxima	542 nm in methanol + HCl 0.1%
Storage	Store at <-15°C in a dry and dark place. Place in a desiccator under vacuum before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent	20 mn linear gradient from 5 to 60% B and 5 mn linear gradient from 60 to 100% B then 5 mn isocratic 100% B A=water + 10% formic acid B=methanol
Flow rate	1 ml/mn
Detector	UV visible 530 nm
Sample solvent	Methanol + 0.1% HCl



Assay by an HPLC method.

Date of last QC-recheck : September 2012
Date of retest: September 2014

The values given on the 'Certificate of Analysis' are the results determined at the time of analysis.