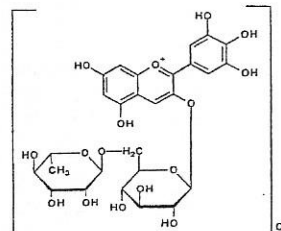


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**HPLC****Lot No.: 14103101****DELPHINIDIN-3-O-RUTINOSIDE CHLORIDE****020901S****IDENTIFICATION**

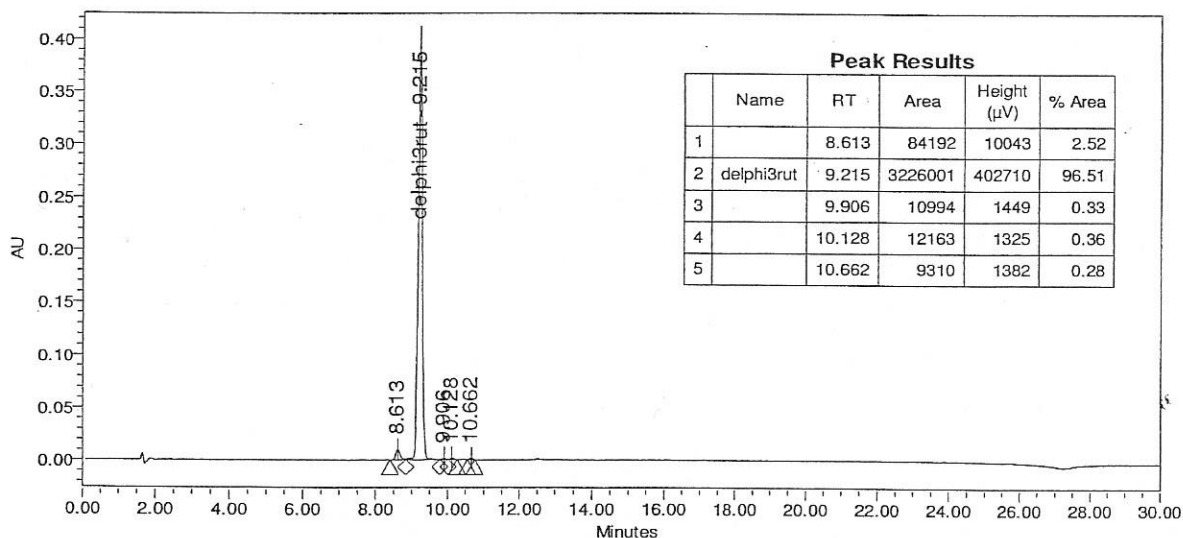
CAS number	[15674-58-5]
Chemical family	Anthocyanins
Synonym	Tulipanin
Molecular formula	C <sub>27</sub> H <sub>31</sub> O <sub>16</sub> Cl
Molecular weight	646.98

**CERTIFICATE OF ANALYSIS**

Appearance	Powder
Thin layer chromatography	support Silicagel
	solvent Ethyl acetate/Formic acid /Water (10/3/2, 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 : June 2014

Date of retest: June 2018

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