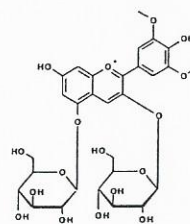


**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Building 30

Hillsborough, NJ 08844 USA

Phone: (908) 359-6778; Fax: (908) 359-1179

**HPLC ANALYSIS****020930S****MALVIN CHLORIDE Lot No.: 15061522****IDENTIFICATION**

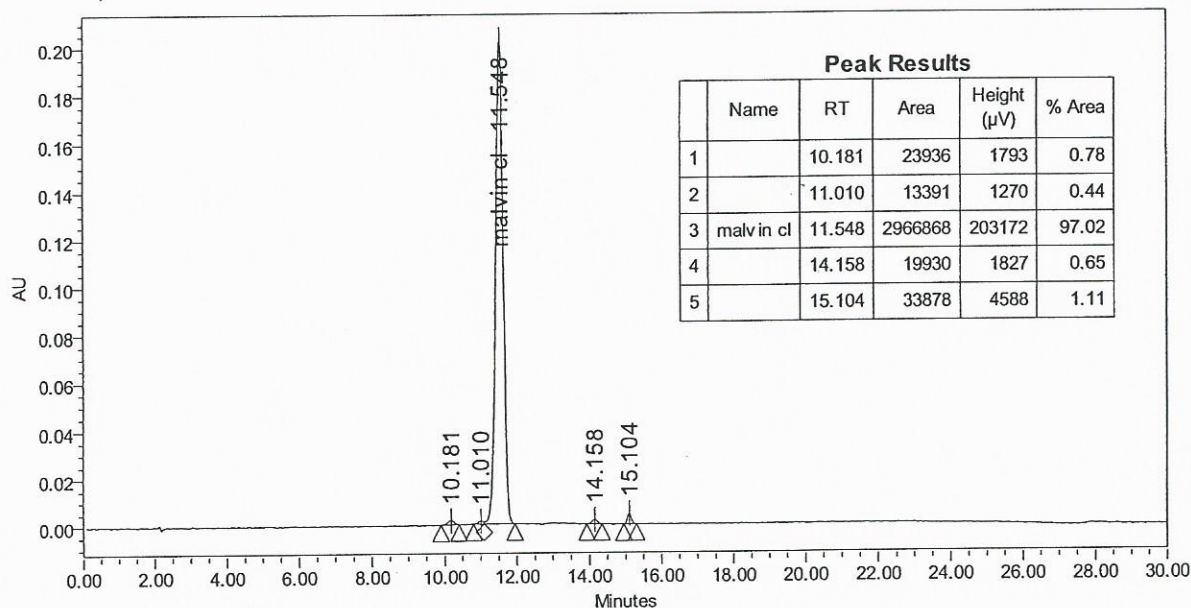
CAS number [16727-30-3]
Synonym Malvidin-3,5-di-O-glucoside chloride
Molecular formula $C_{29}H_{35}O_{17}Cl$
Molecular weight 691.01

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 536 nm in methanol + 0.1% HCl
Storage Store at $-15^{\circ}C$ in a dry and dark place.
Place in a desiccator under vacuum before use.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Atlantis dC18® (4.6 x 150 mm), particle size 3 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/min
Detector UV visible 525 nm
Sample solvent Methanol + 0.1% HCl



Assay by an HPLC method.

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