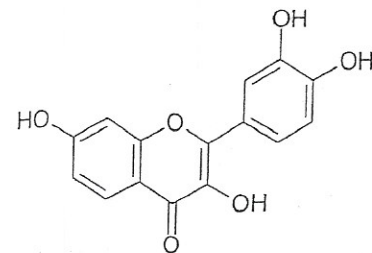




INDOFINE Chemical Company, Inc.

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Hillsborough, NJ 08844 USA
Phone: (908) 359-6778; Fax: (908) 359-1179



HPLC

Batch: 05

FISETIN

021167S

IDENTIFICATION

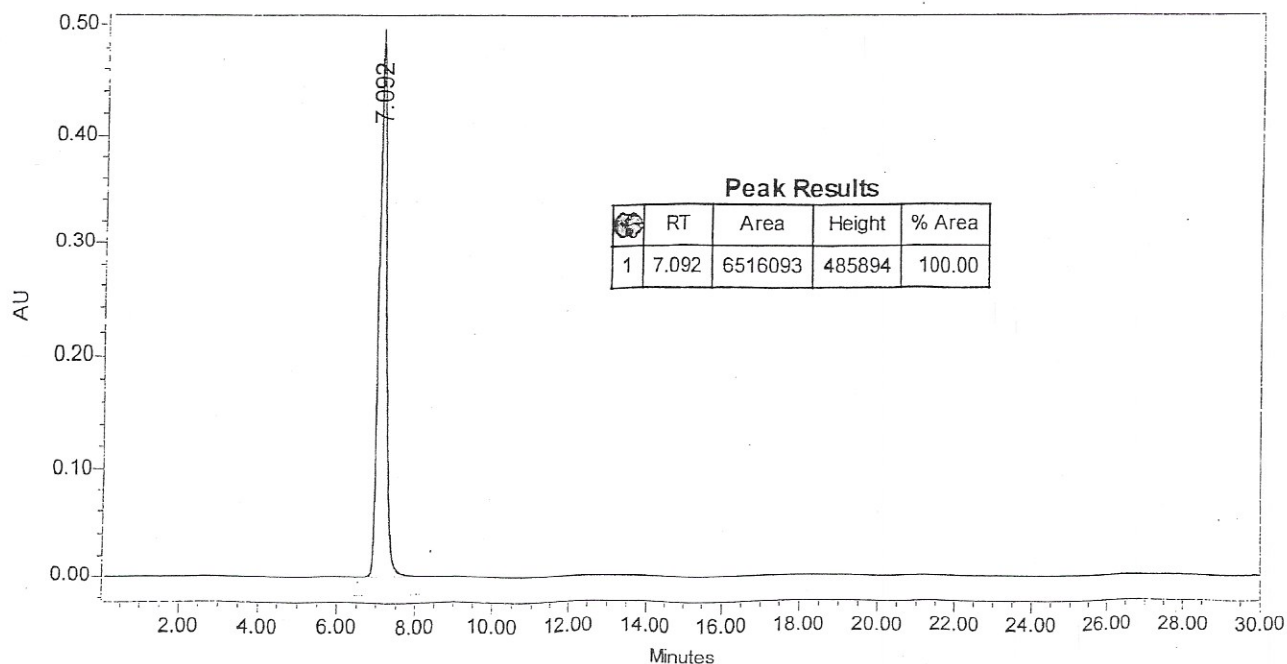
CAS number [528-48-3]
Chemical family Flavonoids
Chemical names 3,3',4',7-Tetrahydroxyflavone
Molecular formula C₁₅H₁₀O₆
Molecular weight 286.23

CERTIFICATE OF ANALYSIS

Appearance Yellow powder
Melting point 320-324°C
Thin layer chromatography support Silicagel
solvent Toluene/ethyl formate/formic acid (5/4/1, V/V/V)
detection UV
Absorption maxima 249, 318, 364 nm in ethanol
Storage Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent Water + 0.3% H₃PO₄/Methanol/Acetonitrile (55/25/20, V/V/V)
Flow rate 1 ml/min
Detector UV visible 254 nm
Sample solvent Ethanol



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