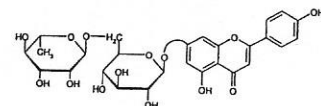




INDOFINE Chemical Company, Inc.

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HPLC Lot No.: 15030914

ISORHOIFOLIN

021121S

IDENTIFICATION

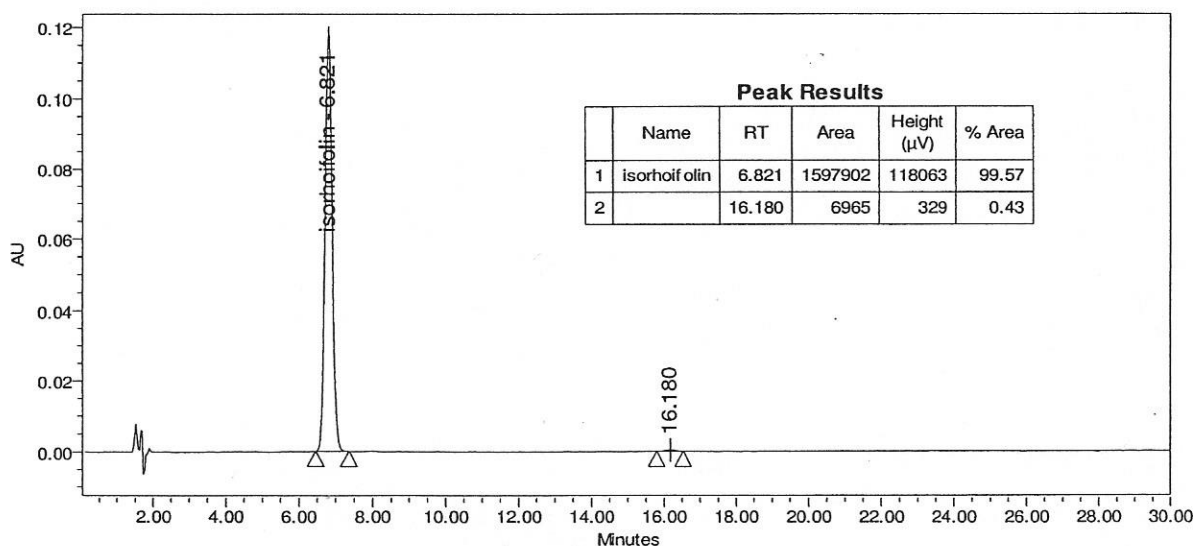
CAS number [552-57-8]
Chemical family Flavonoids
Synonym Apigenin-7-O-rutinoside
Molecular formula $C_{27}H_{30}O_{14}$
Molecular weight 578.53

CERTIFICATE OF ANALYSIS

Appearance Lightly yellow powder
Moisture 0.7%
Residual solvents 1.1 %
Thin layer chromatography support Silicagel
solvent Ethylacetate/methylethylketone/formic acid/water
(5/3/1/1, V/V/V/V)
detection U.V.
Absorption maxima 268, 339 nm in ethanol + 0.5% dimethylsulfoxide
Storage Store at room temperature 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 μ m
Solvent Water + 5% acetic acid / Methanol / Acetonitrile (65/25/10, V/V/V)
Flow rate 1 ml/mn
Detector UV visible 254 nm
Sample solvent Dimethylsulfoxide / Ethanol (2/18, V/V)



Assay by an HPLC method.

Date of last QC-recheck August 2014
Date of retest August 2018

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