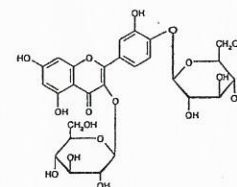




INDOFINE Chemical Company, Inc.

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HPLC ANALYSIS

021347S QUERCETIN,3,4'-di-O-GLUCOSIDE Lot No.: 15061403

IDENTIFICATION

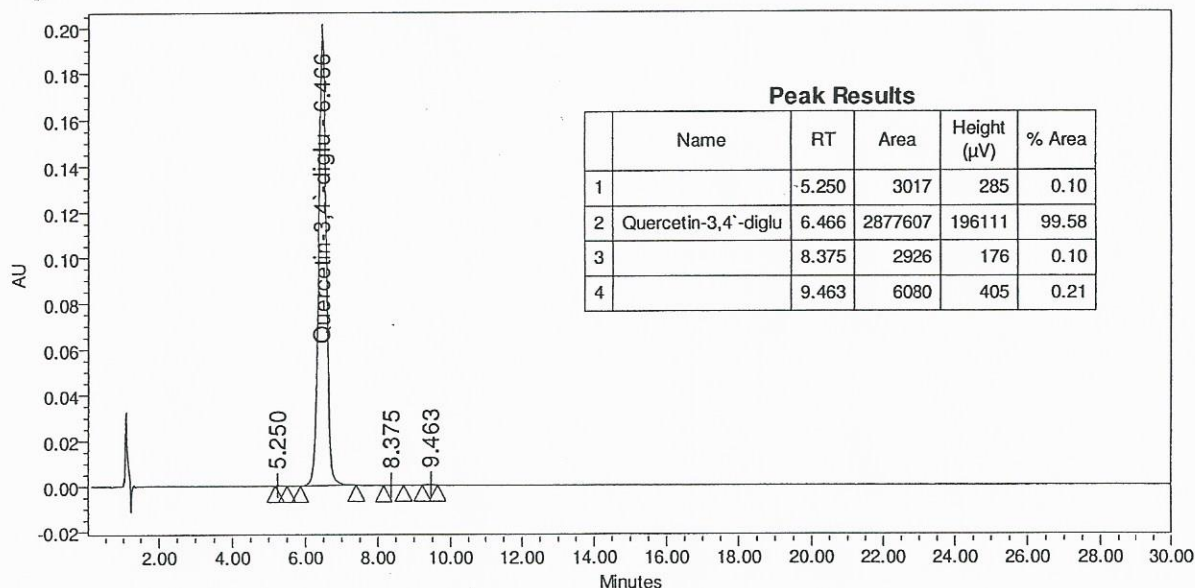
CAS number [29125-80-2]
Chemical family Flavonoids
Molecular formula $C_{27}H_{30}O_{17}$
Molecular weight 626.53

CERTIFICATE OF ANALYSIS

Appearance Yellow powder
Melting point 213°C,dec
Thin layer chromatography support Silicagel
solvent Ethyl acetate/methylethylketone/formic acid/water (5/3/1/1, V/V/V/V)
detection U.V
Moisture 4.1%
Residual solvent <0.5%
Absorption maxima 254sh, 268, 346 nm in methanol
Storage Store at room temperature in a dry and dark place. Place in a desiccator under vacuum before use

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Nova pak C18@ (3.9 x 150 mm), particle size 4 μ m
Solvent Water + 5% acetic acid / Acetonitrile (93/7, V/V)
Flow rate 1 ml/min
Detector UV visible 265 nm
Sample solvent Methanol



Assay by an HPLC method.

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