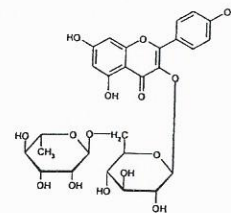




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HPLC ANALYSIS Lot No.: 15092521

021053S

KAEMPFEROL-3-O-RUTINOSIDE

IDENTIFICATION

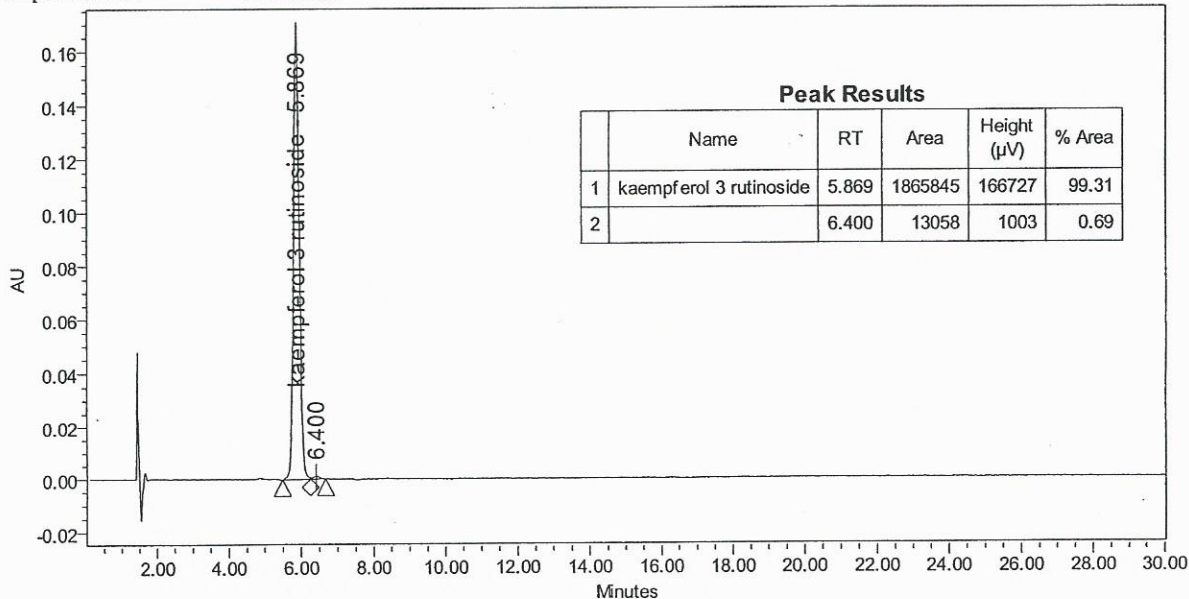
CAS number [17650-84-9]
Synonym Nicotiflorin
Molecular formula C₂₇H₃₀O₁₅
Molecular weight 594.53

CERTIFICATE OF ANALYSIS

Appearance Yellow powder
Melting point 194-196°C
Moisture 5.0%
Residual solvent < 0.5 %
Thin layer chromatography support Silicagel
solvent Ethyl acetate / Methyl ethyl ketone / Formic acid / Water (5/3/1/1, V/V/V/V)
Absorption maxima detection UV
266, 300sh, 350 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 µm
Solvent Water + 5% acetic acid / Acetonitrile (85/15, V/V)
Flow rate 1 ml/mn
Detector UV visible 254 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.