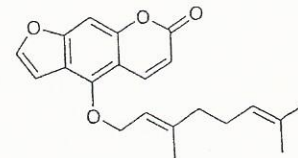




INDOFINE Chemical Company, Inc.

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



HPLC

Batch: 08

BERGAMOTIN

020550S

IDENTIFICATION

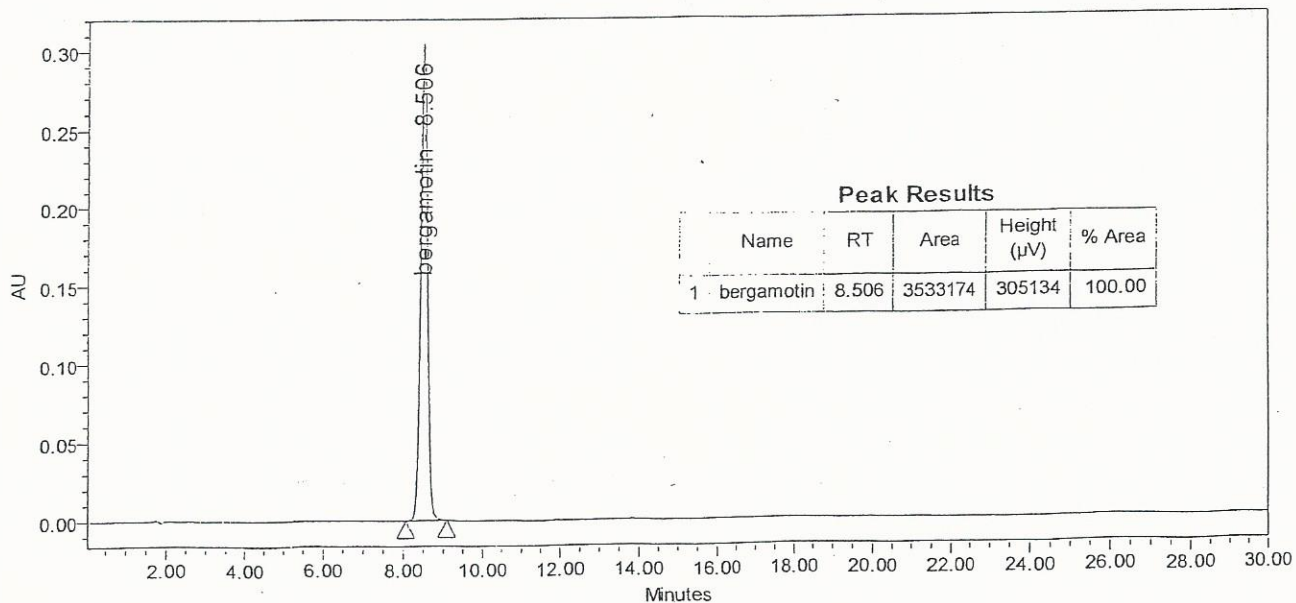
CAS number [7380-40-7]
Chemical family Coumarins
Chemical name 5-geranyloxypsoralen
Molecular formula $C_{21}H_{22}O_4$
Molecular weight 338.40

CERTIFICATE OF ANALYSIS

Appearance White powder
Melting point 60-61°C
Absorption maxima 243sh, 251, 259.5, 268, 310 nm in ethanol
Moisture < 0.5%
Thin layer chromatography support Silicagel
solvent Methylene chloride
detection U.V.
Storage Store at +2/8°C 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 + 5% acetic acid / methanol / acetonitrile (20/50/30, V/V/V)
Flow rate 1 ml/min
Detector UV visible 254 nm
Sample solvent Ethanol



Assay by an HPLC method.

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