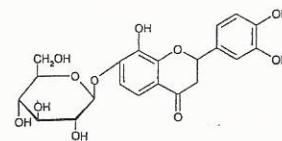




INDOFINE Chemical Company, Inc.

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HPLC

Batch: 05

FLAVANOMAREIN

020058S

IDENTIFICATION

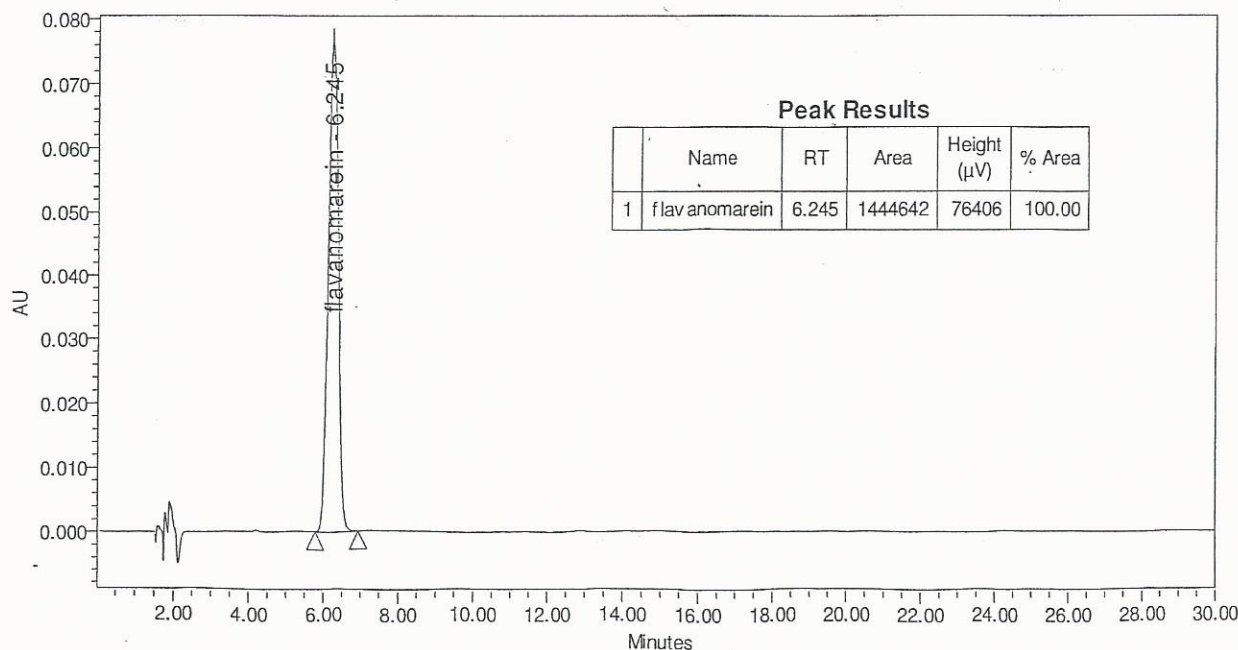
Chemical family	Flavonoids
Chemical names	Isookanine-7-O-glucoside
Molecular formula	C ₂₁ H ₂₂ O ₁₁
Molecular weight	450.40

CERTIFICATE OF ANALYSIS

Appearance	beige powder	
Moisture	5.3%	
Residual solvents	≤0.5%	
Melting point	208-209°C	
Thin layer chromatography	support	Silicagel
	solvent	Ethyle acetate/methanol/water (100/25/10, V/V/V)
	detection	p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) 10mm at 110°C
Absorption maxima	284, 328sh 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 µm
Solvent	Water + 5% acetic acid / Methanol (80/20, V/V)
Flow rate	1 ml/min
Detector	UV visible 280 nm
Sample solvent	Mobile phase / dimethylsulfoxide (18/2, V/V)



Assay by an HPLC method.

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