INDOFINE Chemical Company, Inc.
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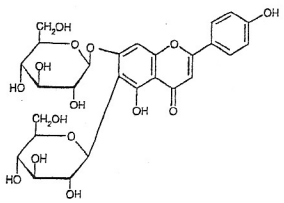


HPLC Lot No.: 13041005

SAPONARIN 021238S

IDENTIFICATION

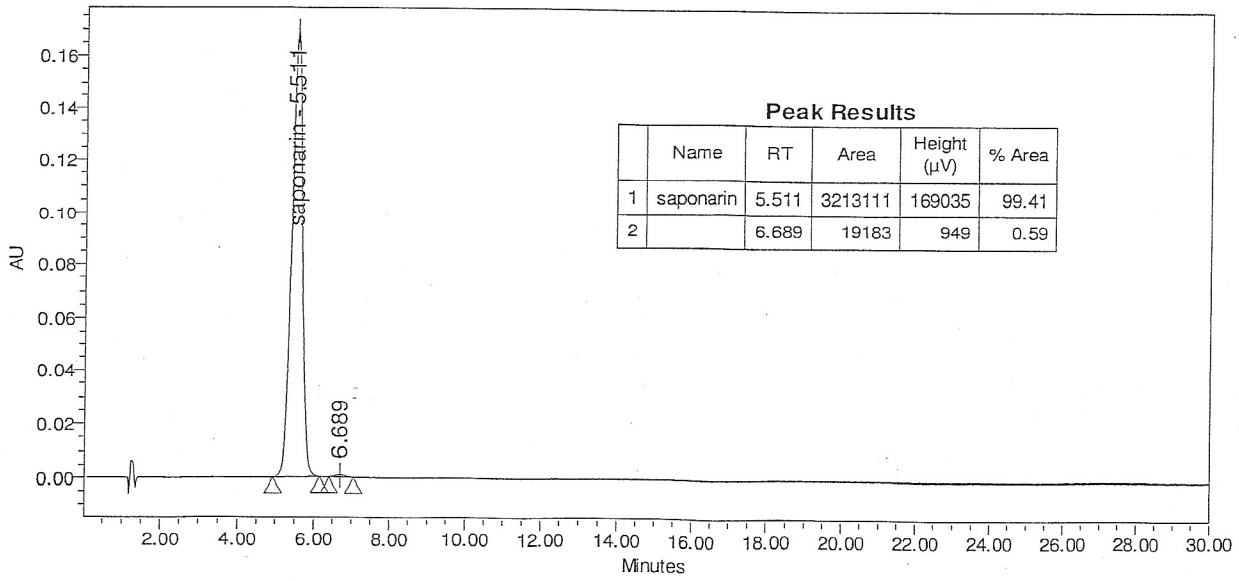
CAS number	[20310-89-8]
Chemical family	Flavonoids
Synonym	Isovitexin-7-O-glucoside; Saponaretin-7-O-glucoside
Molecular formula	$C_{27}H_{30}O_{15}$
Molecular weight	594.52

CERTIFICATE OF ANALYSIS

Appearance	Lightly yellow powder	
Melting point	228°C, dec	
Moisture	3.8%	
Residual solvents	< 0.5%	
Thin layer chromatography	support	Silicagel
	solvent	Ethyl acetate/methylethylketone/formic acid/water (5/3/1/1 : V/V/V/V)
	detection	U.V.
Absorption maxima	272, 331 nm in methanol	
Storage	Store at room temperature in a dry and dark place. Place in a desiccator under vacuum for 48 hours before use	

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column	Nova pak C18® (3.9 x 150 mm), particle size 4 µm
Solvent	Water + 5% acetic acid / Methanol (80/20 , V/V)
Flow rate	1 ml/mn
Detector	UV visible 270 nm
Sample solvent	Methanol



Peak Results

	Name	RT	Area	Height (µV)	% Area
1	saponarin	5.511	3213111	169035	99.41
2		6.689	19183	949	0.59

Assay by an HPLC method.

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