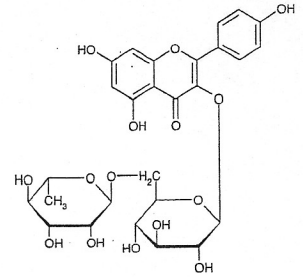




# INDOFINE Chemical Company, Inc.

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## HPLC

## Batch: 18

# KAEMPFEROL-3-O-RUTINOSIDE 021053S

### IDENTIFICATION

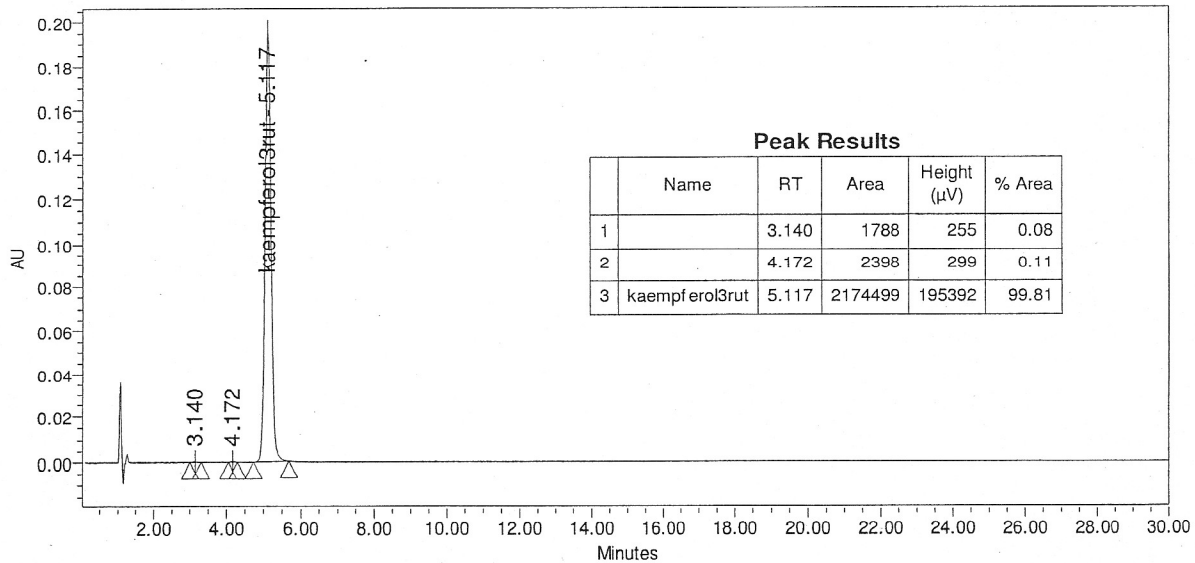
CAS number	[17650-84-9]
Chemical family	Flavonoids
Synonym	Nicotiflorin
Molecular formula	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>
Molecular weight	594.53

### CERTIFICATE OF ANALYSIS

Appearance	Yellow powder	
Melting point	200-202°C	
Moisture	1.8%	
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)	
detection	UV	
Absorption maxima	267, 300sh, 350 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 / Acetonitrile (85/15, V/V)
Flow rate	1 ml/mn
Detector	UV visible 254 nm
Sample solvent	Methanol



Assay by an HPLC method.

Date of last QC-recheck: November 2010

Date of retest: November 2014

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