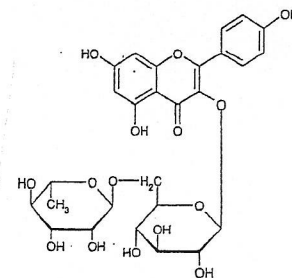




# INDOFINE Chemical Company, Inc.

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**HPLC Lot No.: 11020918**

**KAEMPFEROL-3-O-RUTINOSIDE 021053S**

### IDENTIFICATION

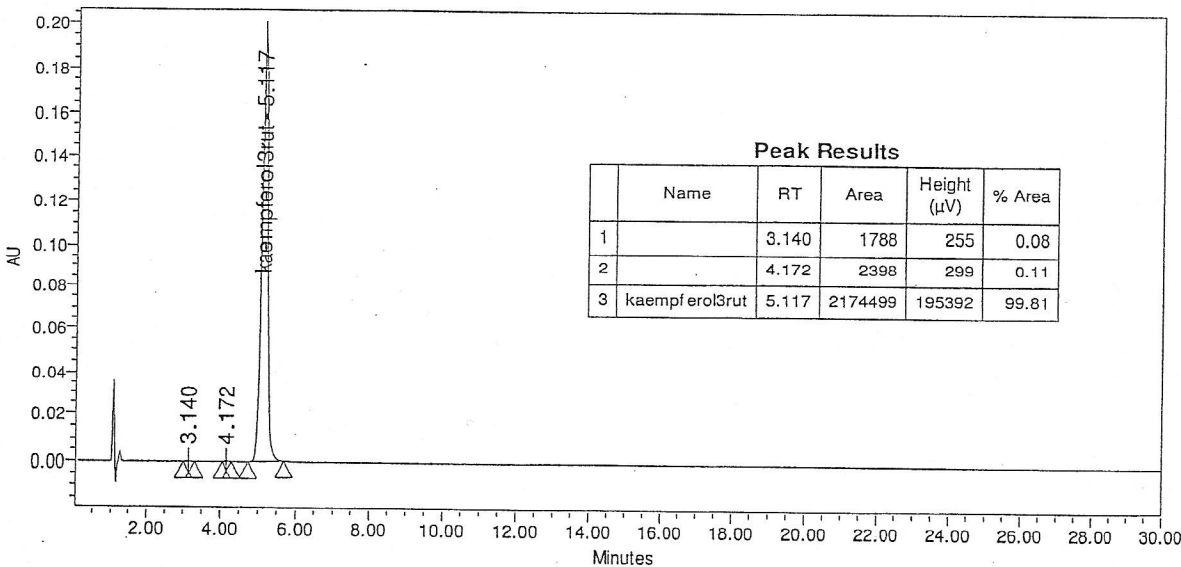
CAS number	[17650-84-9]
Chemical family	Flavonoids
Synonym	Nicotiflorin
Molecular formula	C <sub>27</sub> H <sub>30</sub> O <sub>15</sub>
Molecular weight	594.53

### 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)
Absorption maxima	detection UV 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/min
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.*