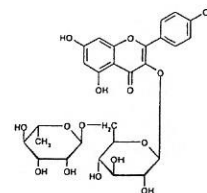




# INDOFINE Chemical Company, Inc.

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## HPLC

## Lot No.: 15011320

### 021053S

### KAEMPFEROL-3-O-RUTINOSIDE

#### IDENTIFICATION

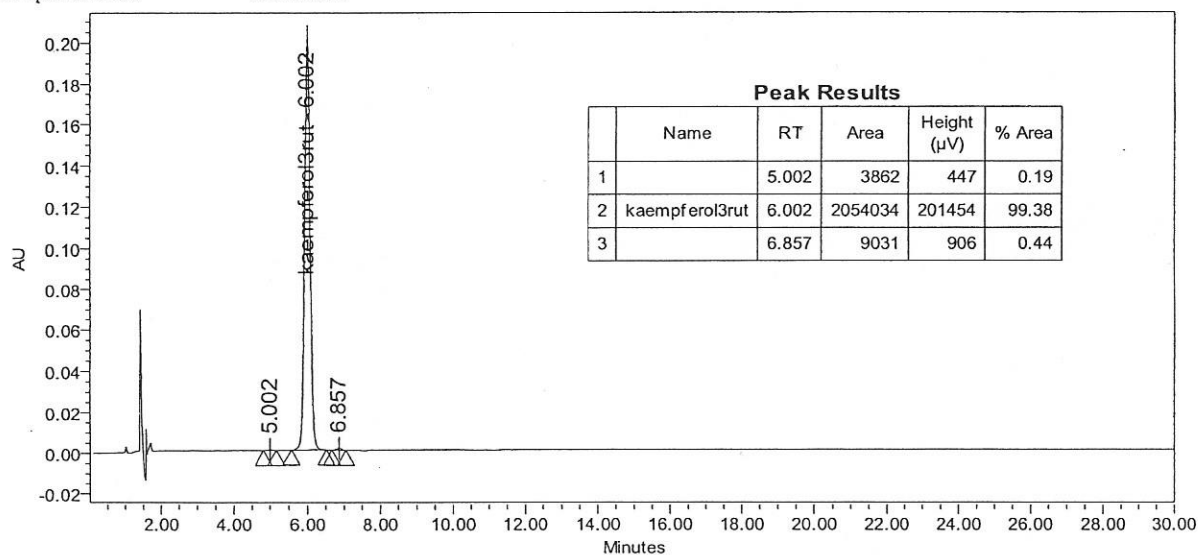
CAS number [17650-84-9]  
Chemical family Flavonoids  
Synonym Nicotiflorin  
Molecular formula  $C_{27}H_{30}O_{15}$   
Molecular weight 594.53

#### CERTIFICATE OF ANALYSIS

Appearance Yellow powder  
Melting point 196-198°C  
Moisture 1.5%  
Residual solvent 1.8%  
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 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.

Date of last QC-recheck January 2015  
Date of retest January 2019

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