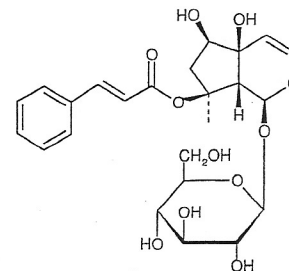




# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Building 30  
Hillsborough, NJ 08844 USA  
Phone: (908) 359-6778; Fax: (908) 359-1179



## HPLC

## Batch: 19

# HARPAGOSIDE

# 020229S

### IDENTIFICATION

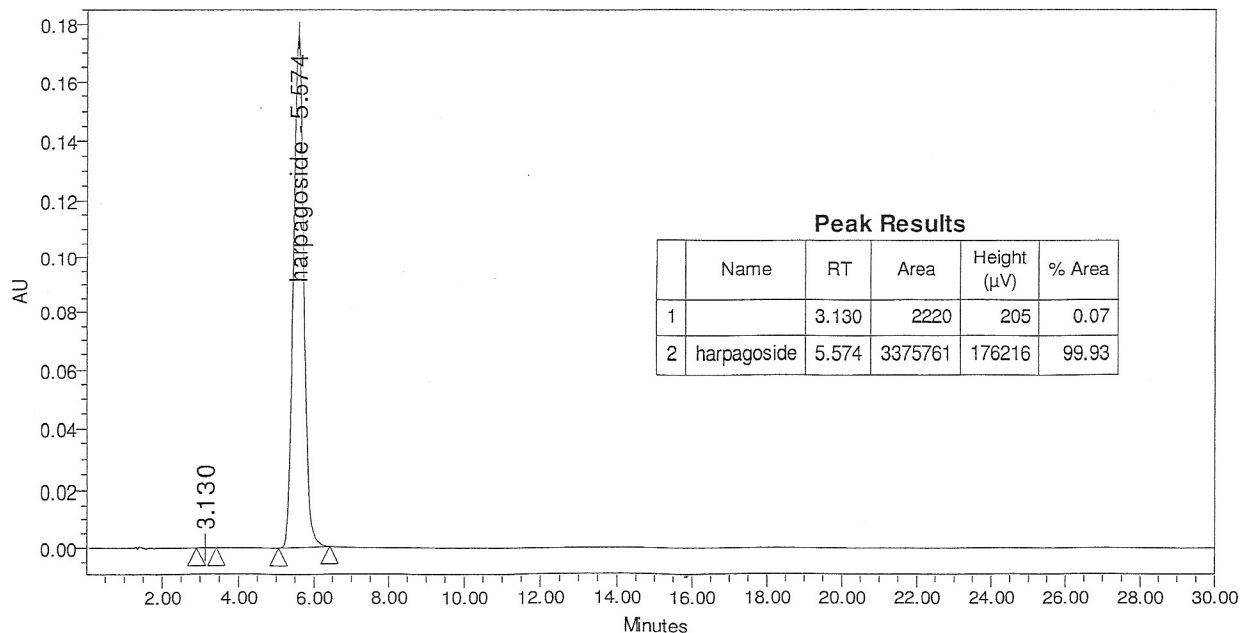
CAS number	[19210-12-9]
Chemical family	Iridoids
Molecular formula	C <sub>24</sub> H <sub>30</sub> O <sub>11</sub>
Molecular weight	494.49

### CERTIFICATE OF ANALYSIS

Appearance	White powder
Absorption maxima	279 nm in ethanol
Moisture	1.8%
Residual solvents	1.9%
[α] <sub>D</sub>	-43° c=1 in methanol
Thin layer chromatography	support Silicagel solvent Methylene chloride/methanol/water (30/15/2, V/V/V) detection p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) 10mm at 110°C
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 / Methanol (50/50, V/V)
Flow rate	1 ml/min
Detector	UV visible 280 nm
Sample solvent	Ethanol



Assay by an HPLC method.

Date of last QC-recheck : *October 2011*

Date of retest: *October 2015*

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