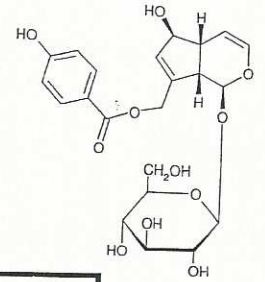




# INDOFINE Chemical Company, Inc.

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## HPLC

## Lot No.: 13090902

# AGNUSIDE

# 020235S

### IDENTIFICATION

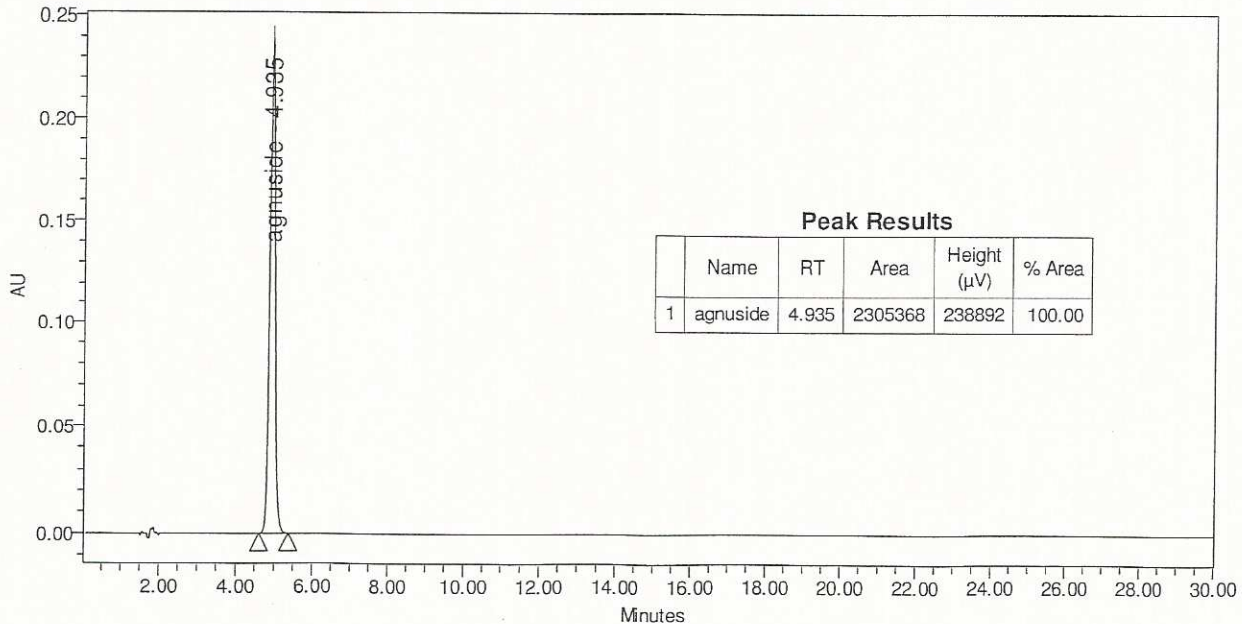
CAS number [11027-63-7]  
Chemical family Iridoids  
Molecular formula  $C_{22}H_{26}O_{11}$   
Molecular weight 466.44

### CERTIFICATE OF ANALYSIS

Appearance slightly yellow powder  
Melting point 130-132°C, dec  
Moisture 1.3 %  
Residual solvents 1.8 %  
Absorption maxima 260 nm in ethanol + 1.25% water  
Thin layer chromatography support Silicagel  
solvent Ethyl acetate/formic acid/water (88/6/6, 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 for 48 hours before use

### HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm  
Solvent Water / Methanol / Acetonitrile (68/22/10, V/V/V)  
Flow rate 1 ml/min  
Detector UV visible 254 nm  
Sample solvent Ethanol / Water (15/5, V/V)



Assay by an HPLC method.

Date of last QC-recheck : February 2011

Date of retest: February 2015

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