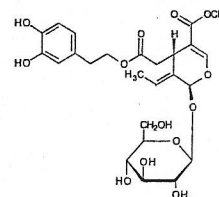


**INDOFINE Chemical Company, Inc.**

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**HPLC****Lot No.: 14092304****OLEUROPEIN****020228S****IDENTIFICATION**

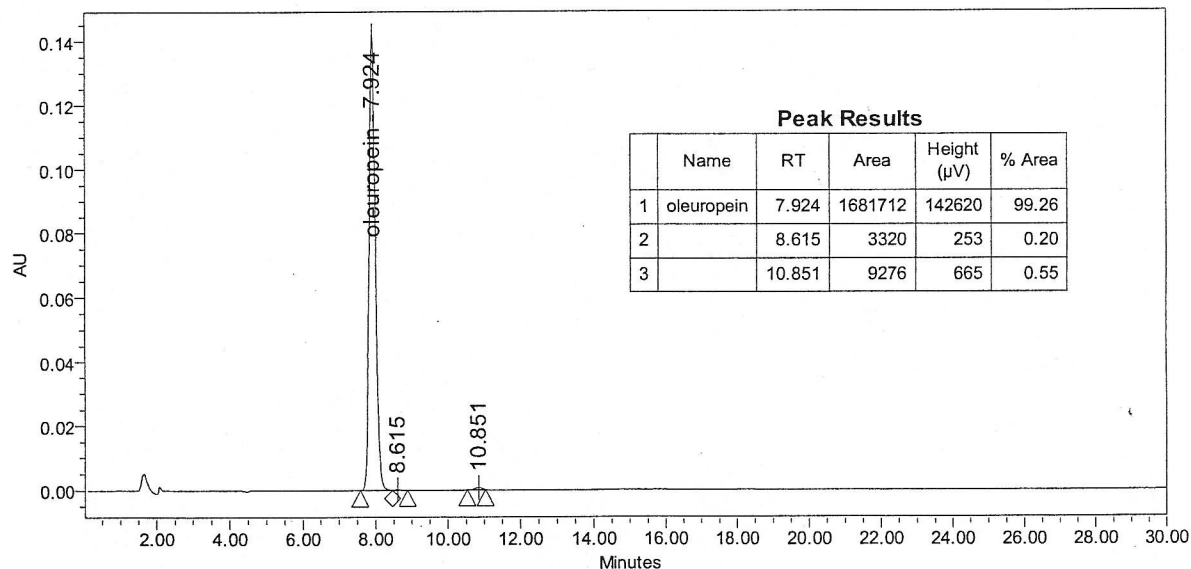
CAS number [32619-42-4]
Chemical family Iridoids
Molecular formula $C_{25}H_{32}O_{13}$
Molecular weight 540.53

CERTIFICATE OF ANALYSIS

Appearance White powder
Absorption maxima 232, 282 nm in ethanol
Moisture 2.6 %
Residual solvents <0.5 %
Thin layer chromatography support Silicagel
solvent Ethyl acetate/methanol/water (100/25/10, V/V/V)
detection p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) 10mn at 110°C
Storage Store in the desiccator. Place in a desiccator under vacuum before use.

HIGH PERFORMANCE LIQUID CHROMATOGRAPHY

Column Symmetry Shield RP18® (4.6 x 150 mm), particle size 3.5 µm
Solvent Water / Acetonitrile (77/23, V/V)
Flow rate 1 ml/min
Detector UV visible 230 nm
Sample solvent Ethanol



Assay by an HPLC method.

Date of last QC-recheck

September 2014

Date of retest

September 2015

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