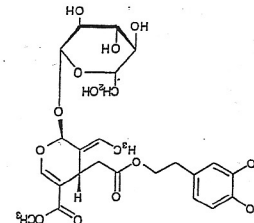


**INDOFINE Chemical Company, Inc.**

121 Stryker Lane, Building 30

Hillsborough, NJ 08844 USA

Phone: (908) 359-6778; Fax: (908) 359-1179

**HPLC****Lot No.: 13040501****OLEUROPEIN****020228S****IDENTIFICATION**

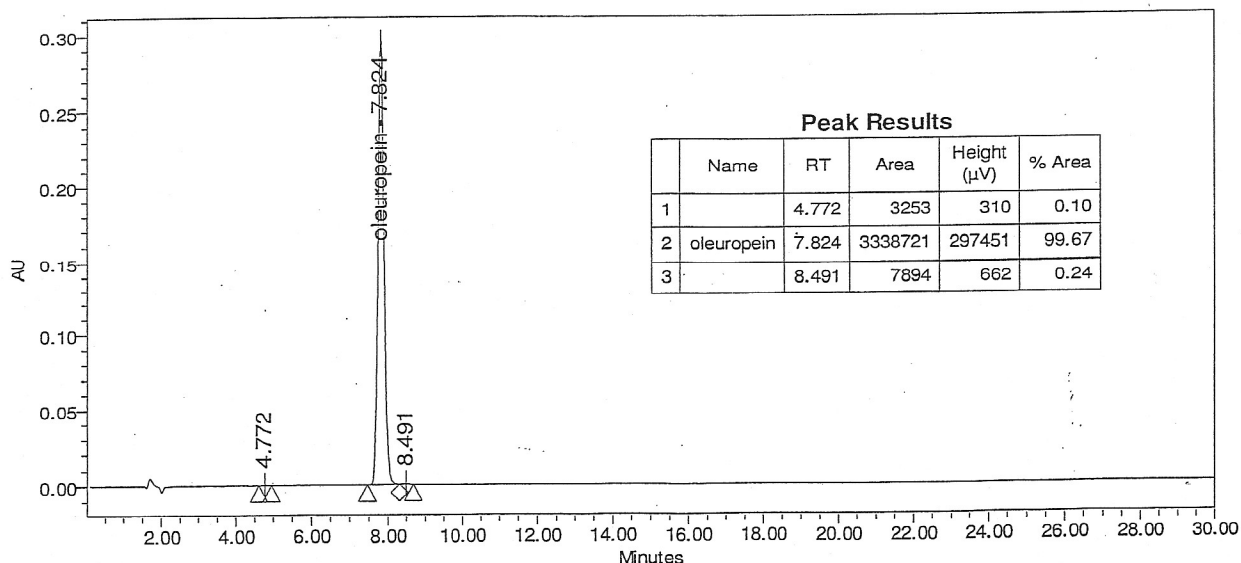
CAS number [32619-42-4]
Chemical family Iridoids
Molecular formula $C_{25}H_{32}O_{13}$
Molecular weight 540.53

CERTIFICATE OF ANALYSIS

Appearance White powder
Absorption maxima 232, 283 nm in ethanol
Moisture 1.6 %
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 February 2013

Date of retest February 2014

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