

**INDOFINE Chemical Company, Inc.**

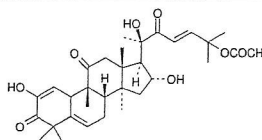
121 Stryker Lane, Building 30

Hillsborough, NJ 08844 USA

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

HPLC**Lot No.: 14050605****CUCURBITACIN E****020020S****IDENTIFICATION**

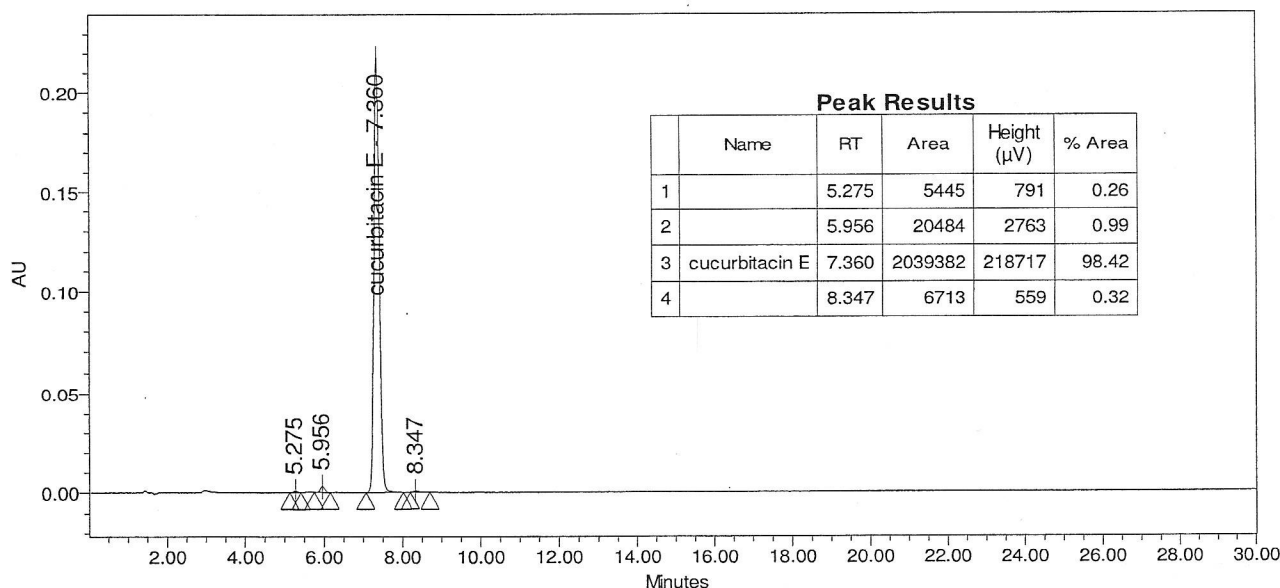
CAS number [18444-66-1]
Chemical family Triterpenoids
Chemical names α -Elaterin
Molecular formula $C_{32}H_{44}O_8$
Molecular weight 556.7

**CERTIFICATE OF ANALYSIS**

Appearance white powder
Melting point 231-232°C
Absorption maxima 233, 267 nm in methylene chloride
[α]_D -63° c=0.4 in methylene chloride
Moisture <0.5%
Residual solvents 0.9%
Thin layer chromatography support Silicagel
solvent Toluene / Ethyl formate / Formic acid (5/4/1, V/V/V)
detection p-anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) then heating at 110°C 10 mn
Storage **Toxic.** Store at room temperature in a dry and dark place. 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 μ m
Solvent Water / Methanol / Acetonitrile (40/30/30, V/V/V)
Flow rate 1 ml/mn
Detector UV visible 235 nm
Sample solvent Methanol



Assay by an HPLC method.

Date of last QC-recheck :

September 2013

Date of retest:

September 2017

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