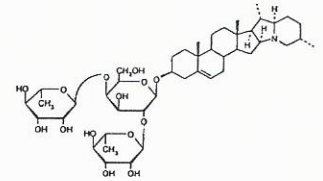




# INDOFINE Chemical Company, Inc.

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## HPLC ANALYSIS

**021553S                      α-CHACONINE      Lot No.: 15111914**

### IDENTIFICATION

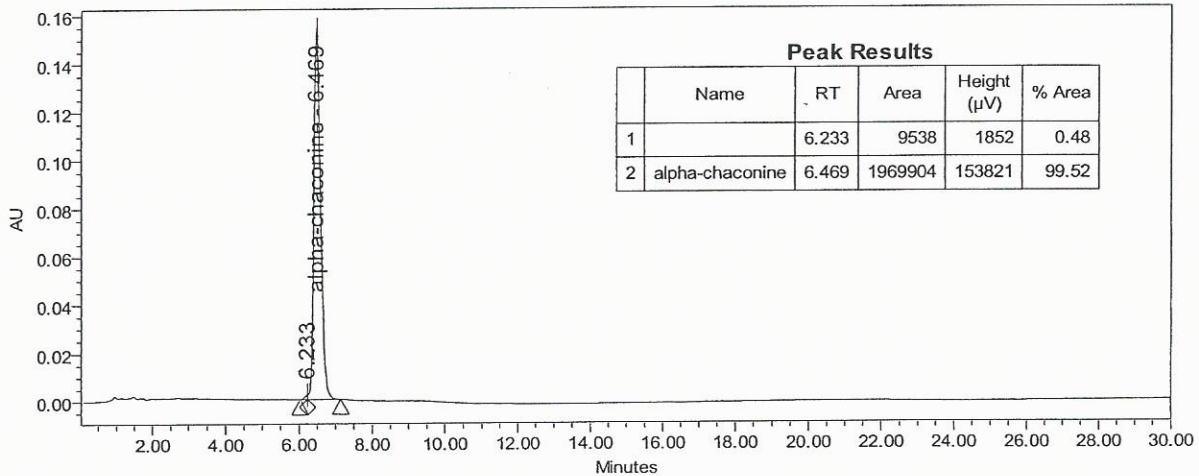
CAS number	[20562-03-2]
Chemical family	Alkaloids
Molecular formula	C <sub>45</sub> H <sub>73</sub> NO <sub>14</sub>
Molecular weight	852.08

### CERTIFICATE OF ANALYSIS

Appearance	White powder	
Melting point	233-234°C, dec	
Moisture	1.9%	
Residual solvents	<0.5%	
Thin layer chromatography	support	Silicagel
	solvent	methylene chloride /methanol/NH <sub>4</sub> OH 2% aq (55/45/5, V/V/V)
	detection	p-Anisaldehyde/acetic acid/sulfuric acid (1/40/1, V/V/V) then heating 10 mn at 110°C
N content	1.51% N	
Storage	<b>Harmful.</b> 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® rad pak (3.9 x 150 mm), particle size 4 µm
Solvent	Tampon 0.1M monobasic ammonium phosphate pH3.5 / Acetonitrile (75/25, V/V)
Flow rate	1 ml/min
Detector	UV visible 200 nm
Sample solvent	Mobile phase



Assay by an HPLC method.

Date of last QC-recheck                      November 2014  
Date of retest                                      November 2018

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