



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: 020695

ProductName: **(+)-SPARTEINE**

Cas Number: [492-08-0]

Lot Number: 1101099

Chemical Formula: C<sub>15</sub>H<sub>26</sub>N<sub>2</sub>

Molecular Weight: 234.39

Appearance: Pale yellow color liquid

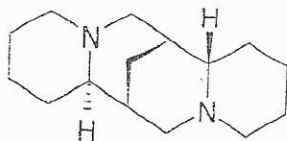
Solubility: Soluble in Chloroform

TLC: Chloroform : Methanol (7:3), Iodine dip

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store at 2-8°C, dry

Purity(GC): 99.60%





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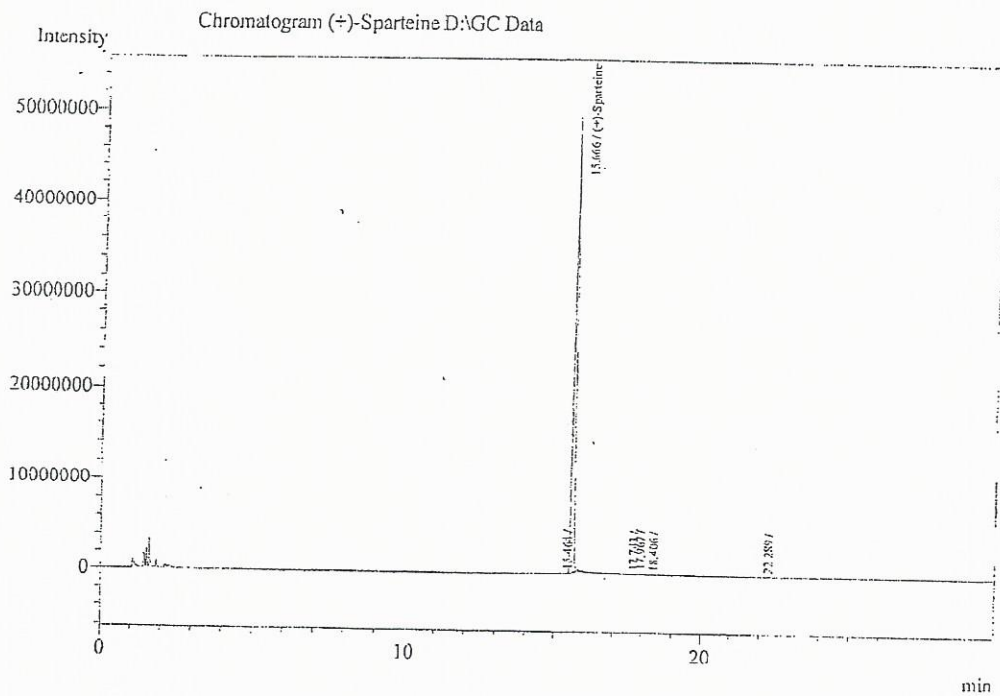
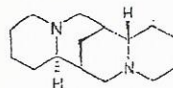
## GC ANALYSIS

User Name : Sanjeev  
Sample Name : (+)-Sparteine  
Sample ID : Lot No:1101099  
Method Name : D:\Methods\BRC Method-II.gcm

Catalog No.: 020695  
Product name: (+)-Sparteine  
Lot No.: 1101099

Report File Name : D:\Reports\General-01.gcr

Description  
Injector - 250°C  
Detector - 300°C  
Column temp - 60(5)-20-280(14)

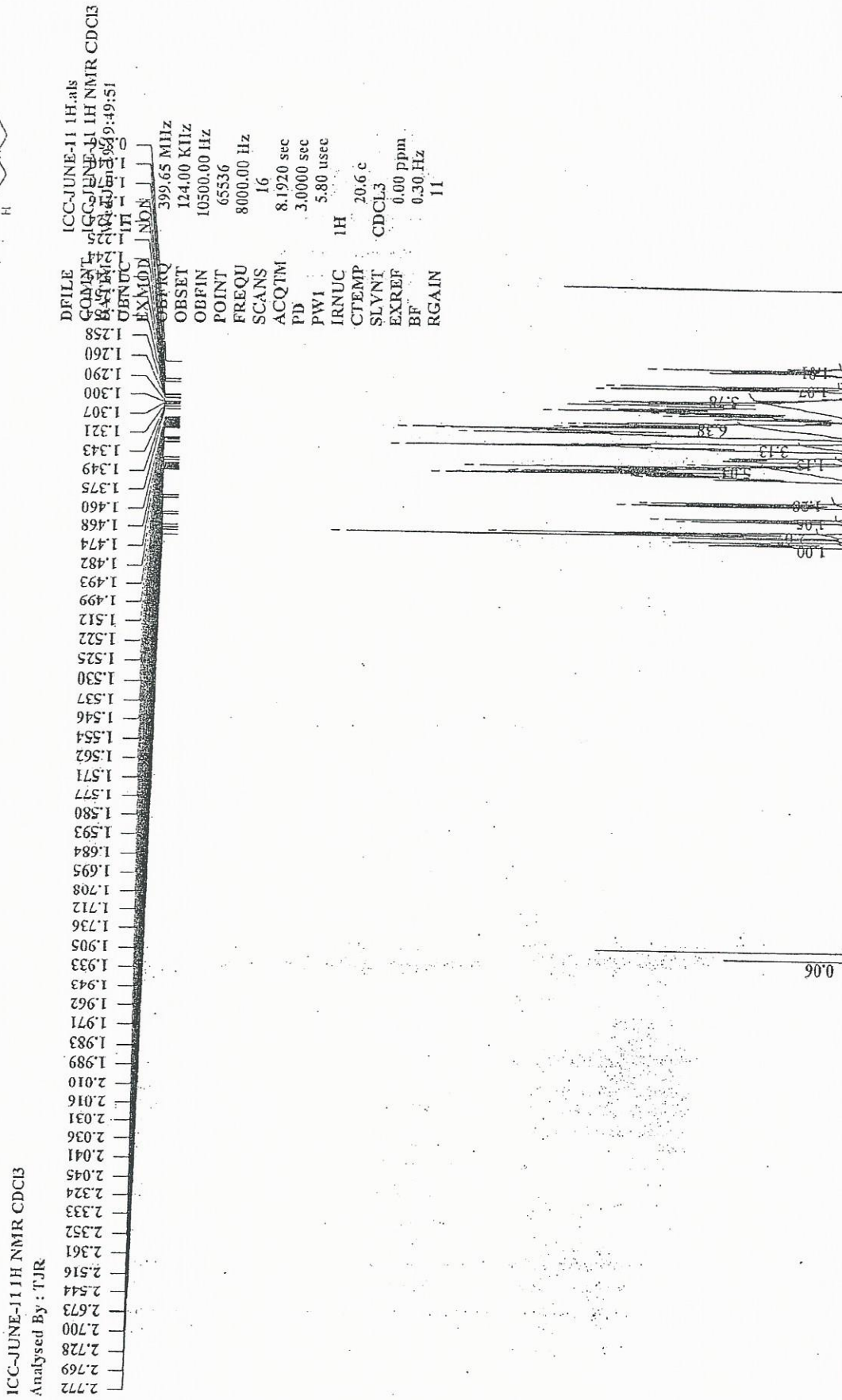
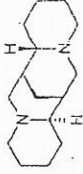


Peak#	Ret.Time	Area	Height	Area%	Name
1	15.464	109755	32916	0.0402	
2	15.666	272143688	49374526	99.5964	(+)-Sparteine
3	17.743	152920	20489	0.0560	
4	17.967	529263	131476	0.1937	
5	18.406	116451	17783	0.0426	
6	22.289	194467	19032	0.0712	
Total		273246544	49596222	100.0000	



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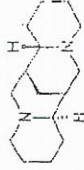
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ICC-JUNE-II III NMR CDC13  
Analysed By: TJR

