



# 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: K-001

Product Name: **KARANJIN**

CAS Number: [521-88-0]

Lot Number: 1611926

Chemical Formula: C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 292.28

Melting Point: 153-156°C

Appearance: Off white crystalline powder

Moisture(KF): 0.37%

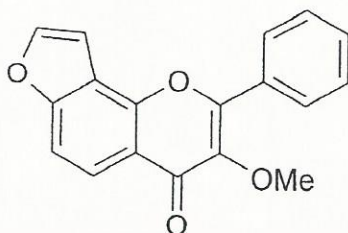
TLC: Hexane:Ethyl acetate (1:1)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.21%





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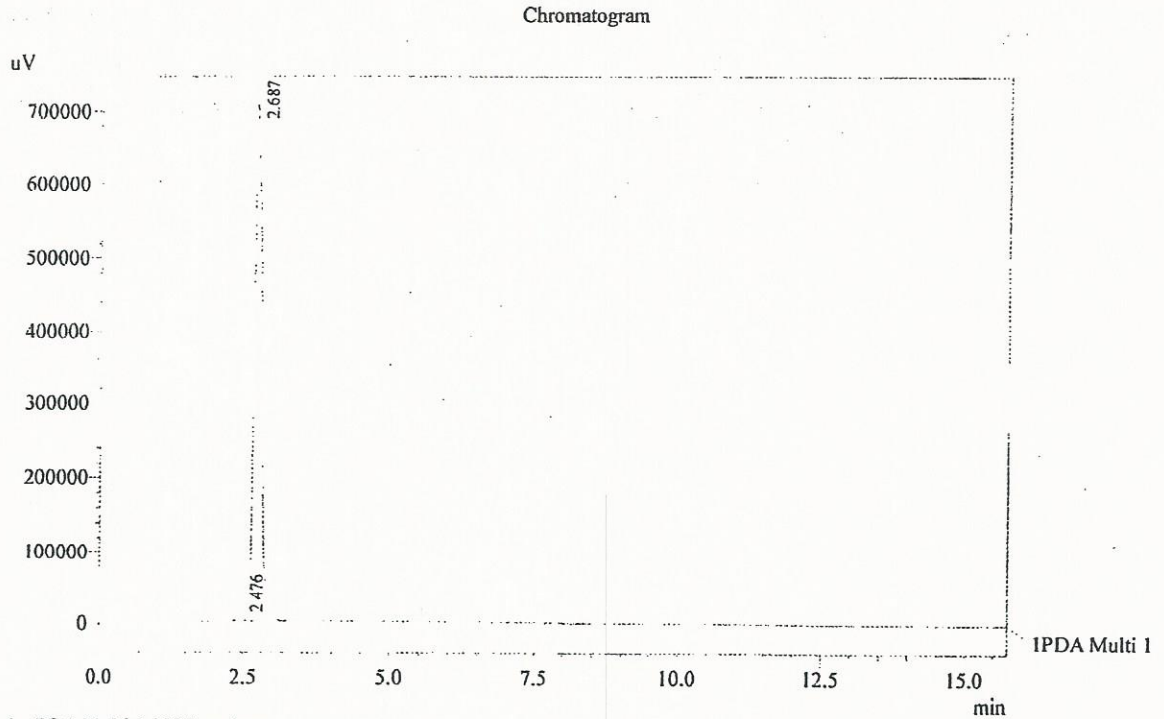
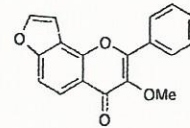
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Admin  
Sample Name : karanjin  
Sample ID : 100 gm  
Injection Volume : 20 uL  
Data Filename : 051116B.lcd  
Method Filename : Isocratic Method.lcm

Catalog No.: K-001  
Product Name: Karanjin  
Lot No.: 1611926

Column : Gemini C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 2.000 mL/min.  
Mobile Phase : A(20% of water) B(80% of Acetonitrile)



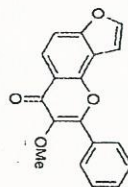
1 PDA Multi 1 / 320nm 4nm

PeakTable

| Peak# | Name     | Ret. Time | Area    | Area % | Relative Retention Time |
|-------|----------|-----------|---------|--------|-------------------------|
| 1     | RT:2.476 | 2.476     | 49723   | 0.79   | 0.92                    |
| 2     | Karanjin | 2.687     | 6245415 | 99.21  | 1.00                    |
| Total |          |           | 6295138 | 100.00 |                         |

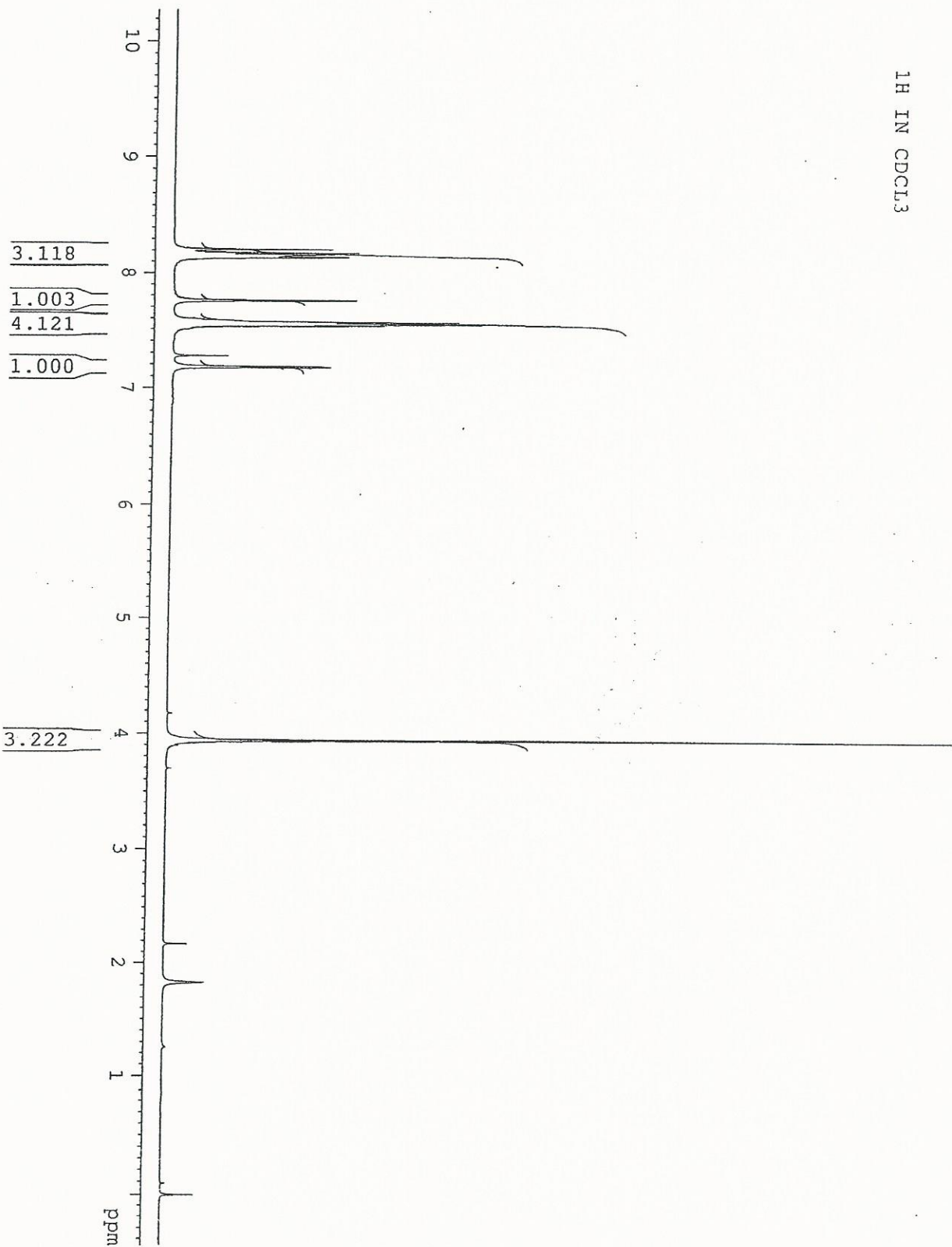


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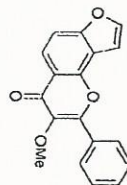
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Product Name: Karanjin  
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<sup>1</sup>H IN CDCl<sub>3</sub>





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1H IN CDCL3

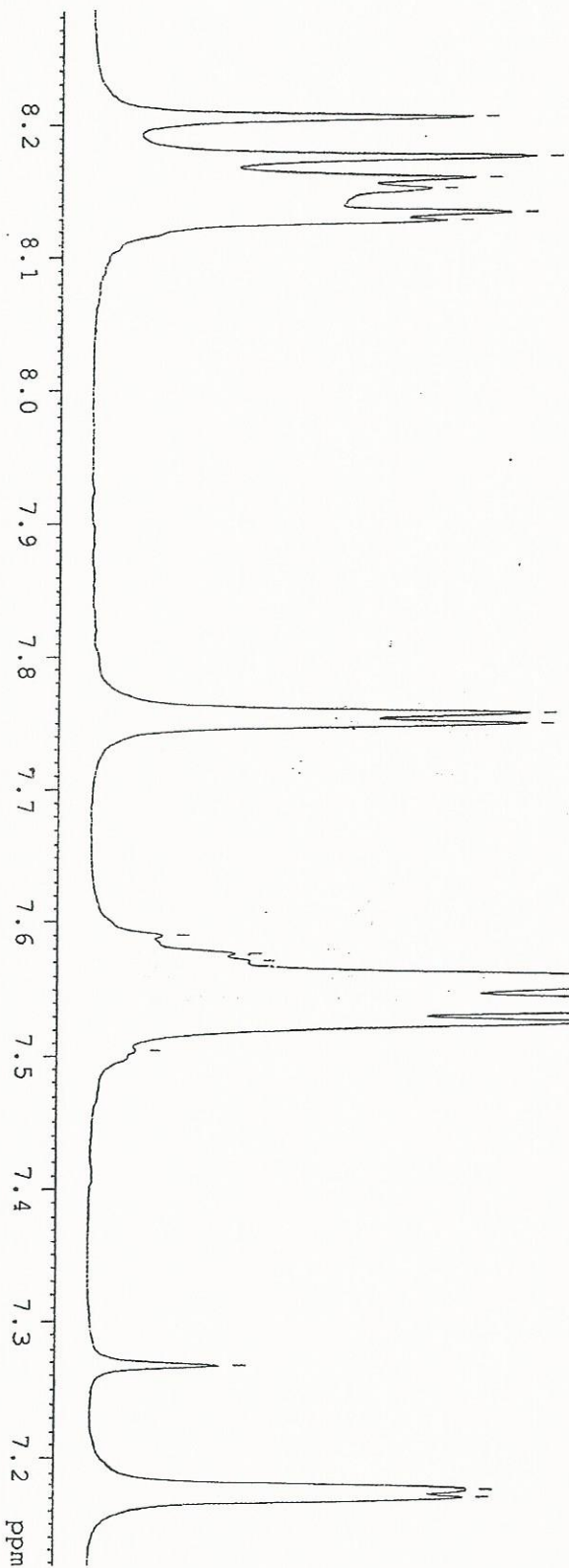
- 8.205
- 8.176
- 8.161
- 8.152
- 8.134
- 8.128

- 7.757
- 7.750

- 7.590
- 7.577
- 7.571
- 7.556
- 7.541
- 7.536
- 7.526
- 7.505

- 7.268

- 7.177
- 7.171



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