



# 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

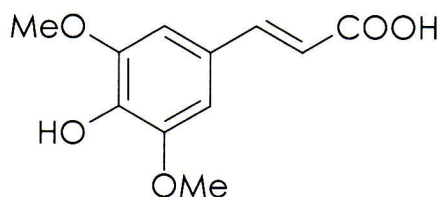
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## CERTIFICATE OF ANALYSIS

**Cat. No.: 01-1354**

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| <u>Product:</u>           | <b>3,5-DIMETHOXY-4-HYDROXYCINNAMIC ACID</b><br>(Sinapinic acid) |
| <u>CAS No.:</u>           | [530-59-6]                                                      |
| <u>Lot No.:</u>           | 0906043                                                         |
| <u>Appearance:</u>        | Cream color powder                                              |
| <u>Molecular Formula:</u> | C <sub>11</sub> H <sub>12</sub> O <sub>5</sub>                  |
| <u>Molecular Weight:</u>  | 224.21                                                          |
| <u>Melting Point:</u>     | 202-204°C                                                       |
| <u>Solubility:</u>        | Soluble in DMSO                                                 |
| <u>Moisture (KF):</u>     | 0.24%                                                           |
| <u>Purity (HPLC):</u>     | 99.27%                                                          |





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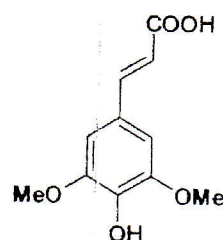
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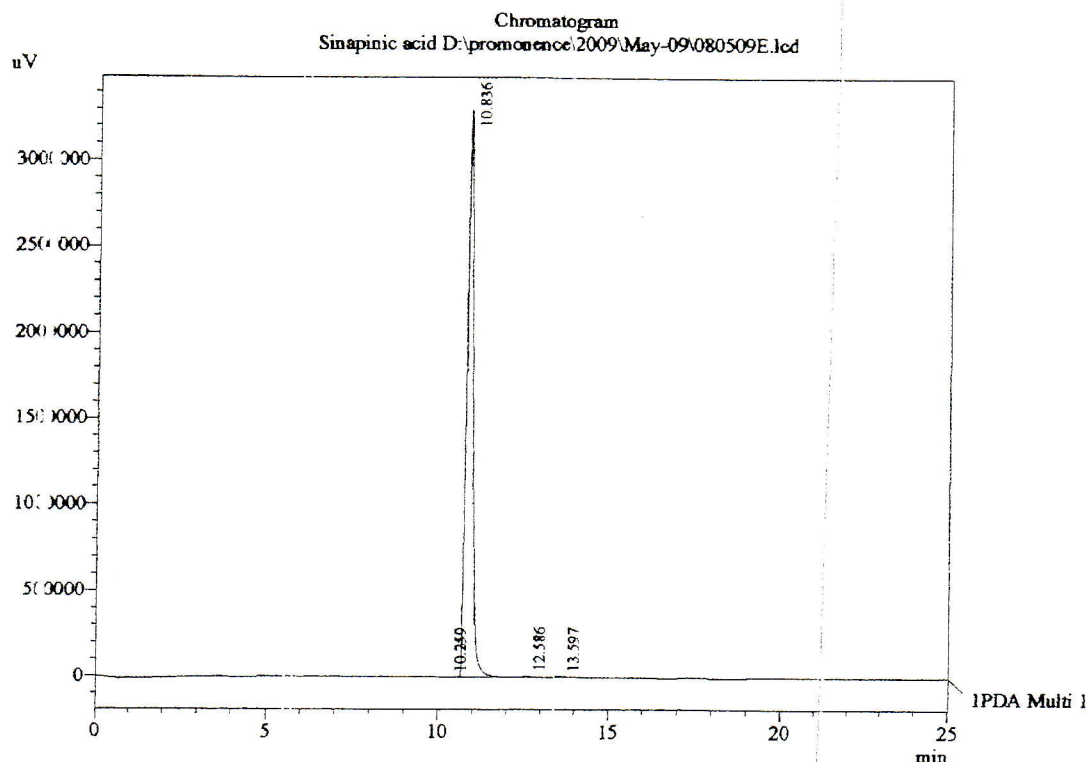
Cat. No.: 01-1354  
Product: 3,5-Dimethoxy-4-hydroxycinnamic acid  
Lot No.: 0906043

Date Acquired : 5/8/2009 5:58:48 PM  
Acquired by : Ramana  
Sample Name : Sinapinic acid  
Sample ID :  
Injection Volume : 20 uL  
Data Filename : 080509E.lcd  
Method Filename : Linear Gradient.M.lcm

Description:  
Column : Inertsil C-18, 250X4.6mm 5.0µm  
Flow : 1.000mL/min.  
Mobile Phase : A(Water 0.05% TFA) : B(ACN)  
00.01 : 90 : 10  
12.00 : 10 : 90  
20.00 : 10 : 90  
23.00 : 90 : 10



3,5-Dimethoxy-4-hydroxycinnamic acid



1 IPDA Multi 1 / 240nm 4nm

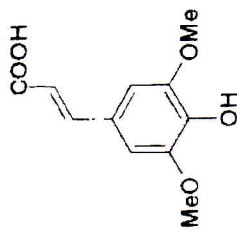
Peak Table

Ch: 240nm 4nm

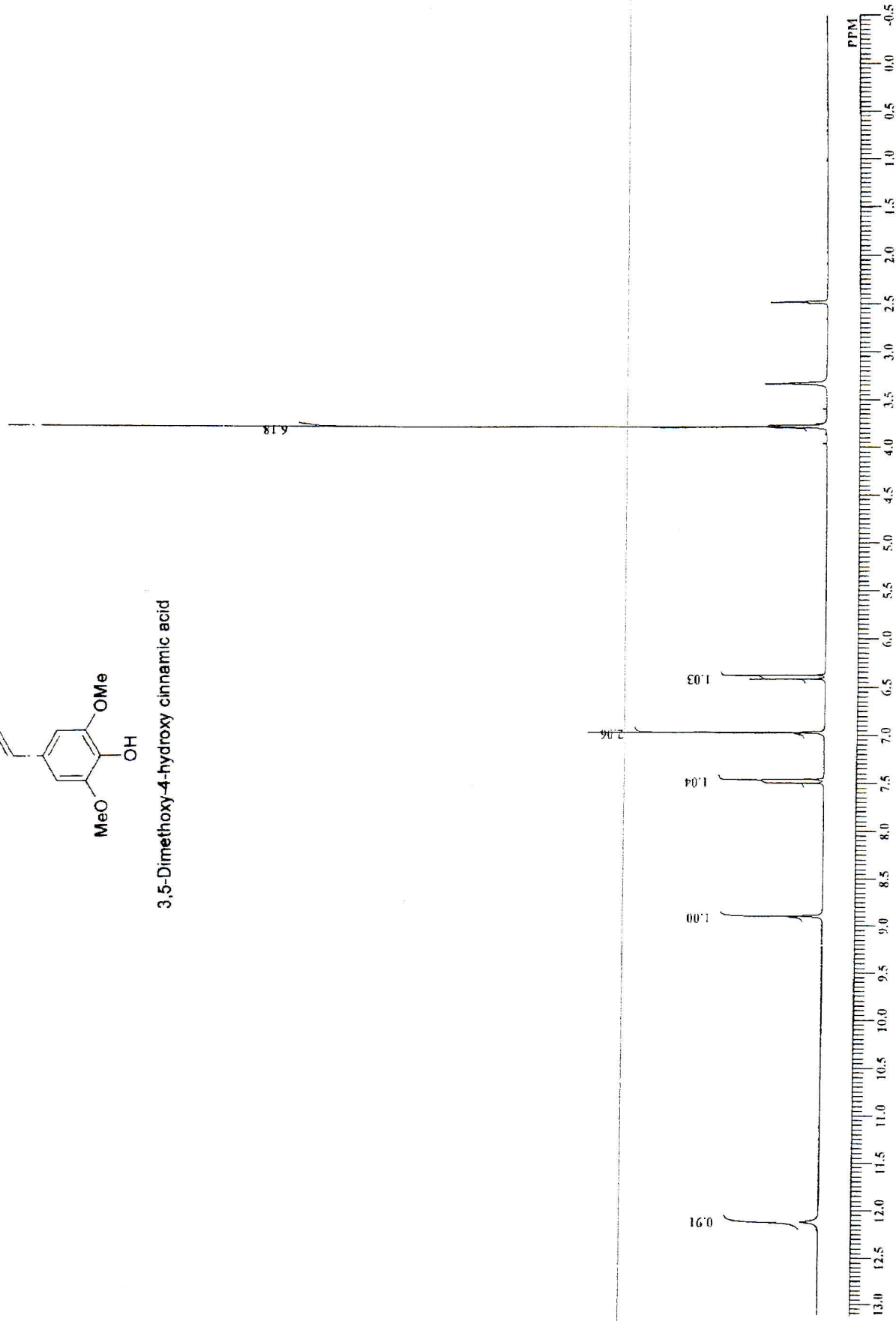
| Peak# | Ret. Time | Area     | Height  | Area %  |
|-------|-----------|----------|---------|---------|
| 1     | 10.259    | 52272    | 1996    | 0.123   |
| 2     | 10.836    | 42237240 | 3299575 | 99.274  |
| 3     | 12.586    | 149230   | 10113   | 0.351   |
| 4     | 13.597    | 107213   | 4604    | 0.252   |
| Total |           | 42545955 | 3316288 | 100.000 |

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Sine Acid Final 1H NMR DMSO-D6

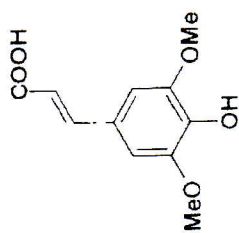


3,5-Dimethoxy-4-hydroxy cinnamic acid



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Lot No.: 0906043

Sinn Acid F inal 1H NMR DMSO-D6



3,5-Dimethoxy-4-hydroxy cinnamic acid

