



INDOFINE Chemical Company, Inc.

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

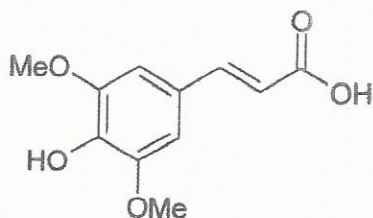
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	01-1354
<u>Product Name:</u>	3,5-DIMETHOXY-4-HYDROXYCINNAMIC ACID (Sinapinic acid)
<u>Cas Number:</u>	[530-59-6]
<u>Lot Number:</u>	1606893
<u>Chemical Formula:</u>	C ₁₁ H ₁₂ O ₅
<u>Molecular Weight:</u>	224.21
<u>Melting Point:</u>	201-203°C
<u>Appearance:</u>	Cream powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform:Methanol (9:1)
<u>Moisture(KF):</u>	0.35%
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.67%





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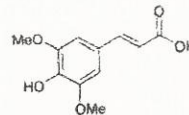
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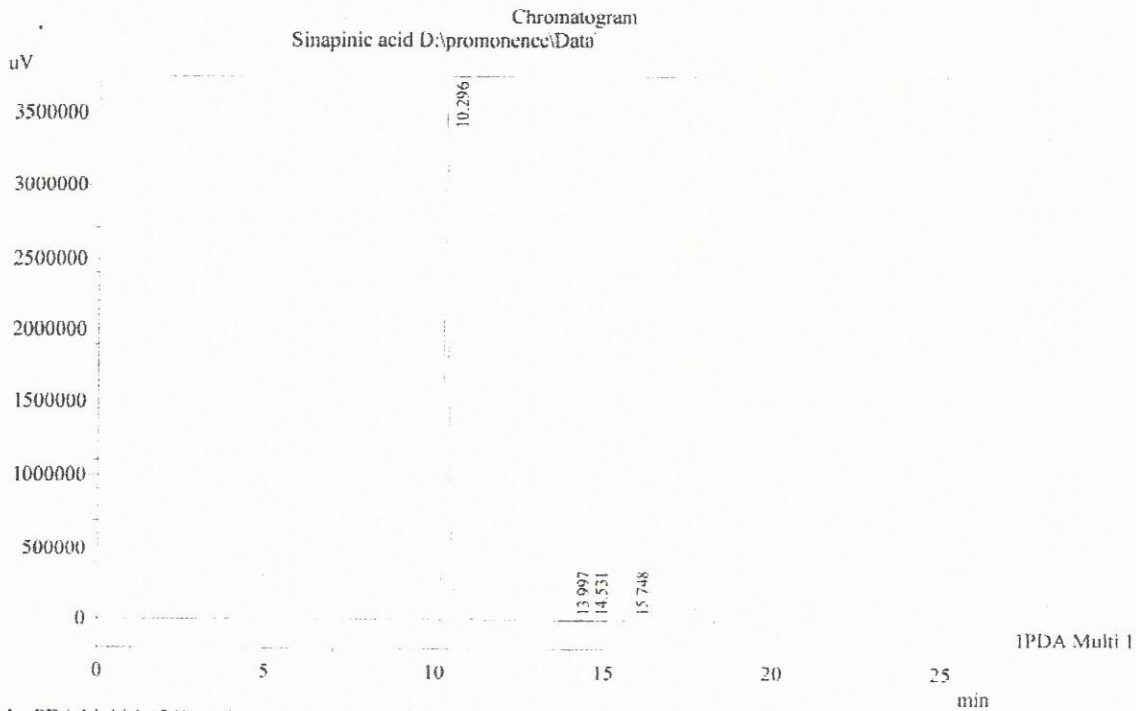
HPLC ANALYSIS

Acquired by : Admin
 Sample Name : Sinapinic acid
 Sample ID : 5.0 kg
 Injection Volume : 20 uL
 Data Filename : 130416A.lcd
 Method Filename : Linear Gradient M.lcm

Catalog No.: 01-1354
 Product Name: Sinapinic acid
 Lot No.: 1606893



Column : Gemini 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



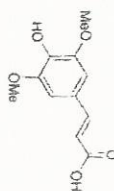
1 IPDA Multi 1 / 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Sinapinic acid	10.296	38715706	99.67	1.00
2	RT:13.997	13.997	49029	0.13	1.36
3	RT:14.531	14.531	37879	0.10	1.41
4	RT:15.748	15.748	41473	0.11	1.53
Total			38844087	100.00	

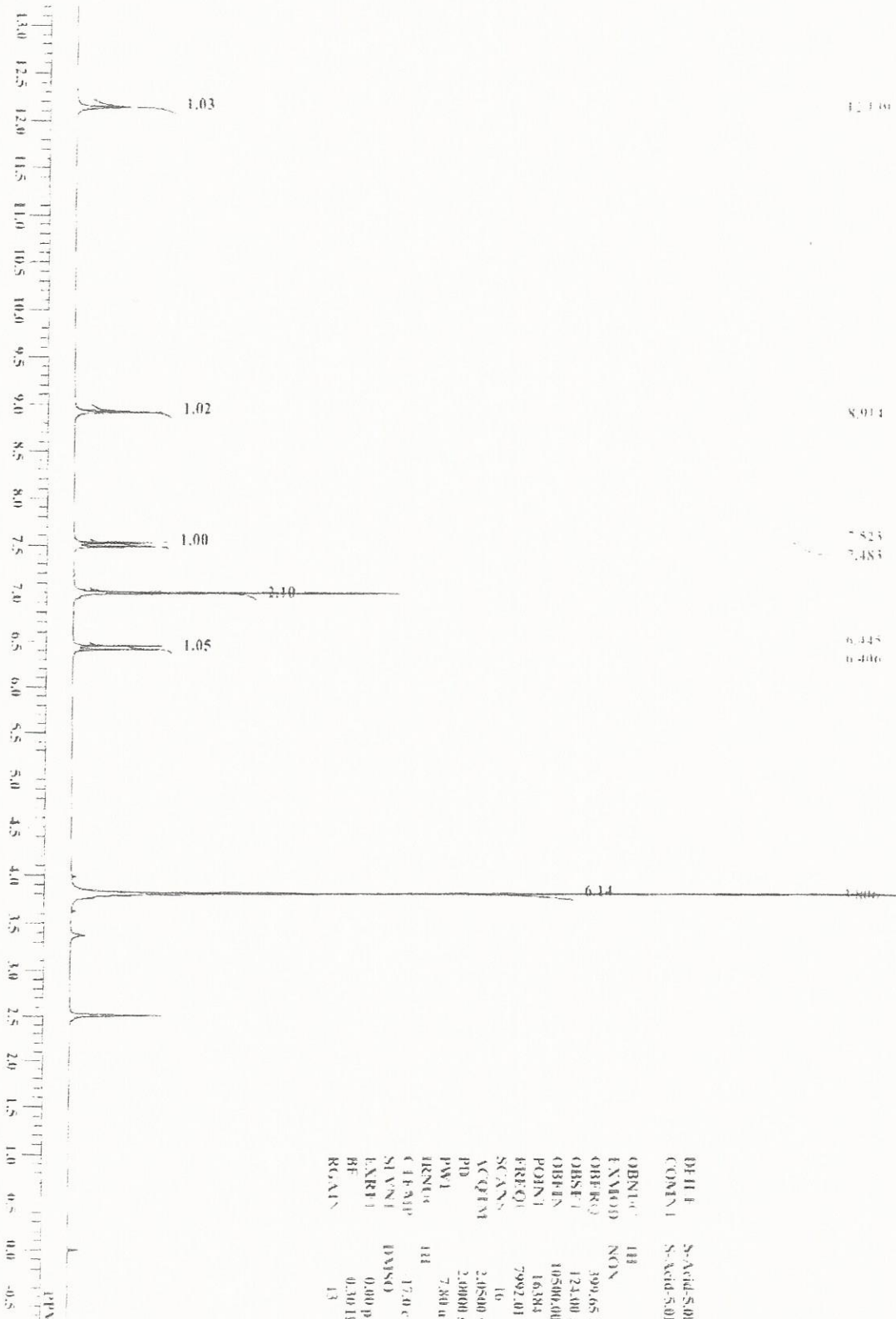


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Catalog No.: 01-1354
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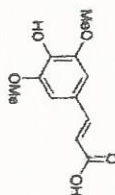
¹H NMR DMSO-d6



DFILE N:\Acid-5.0\Kg_11\ab
 CONN1 S:\Acid-5.0\Kg_11\H NMR DMSO-d6
 QBNTG¹ 1H
 EXMBO¹ 399.65 MHz
 QBFREQ 123.00 KHz
 QBLEN 10500.00 Hz
 POFNU 16384
 FREQ01 7992.01 Hz
 SCANS 16
 ACQEM 2.0500 sec
 PD 2.0000 sec
 PW1 7.30 usec
 HRNG 1H
 C1F3AP 17.0 C
 S1VNI DMSO
 LARR1 0.00 ppm
 RF 0.30 Hz
 RGAIN 13



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¹H NMR DMSO-d6

7.415
7.387

6.415
6.387

DETE N-Acid-5.0Kq 1H.acs
 COMNT N-Acid-5.0Kq 1H NMR DMSO-d6
 OBNUC 101
 ENMOD NDN
 OBFRQ 399.65 MHz
 OBSFET 124.00 KHz
 OBRIN 10500.00 Hz
 POINT 16384
 FREQU 7992.01 Hz
 SCANS 16
 ACQTM 2.0500 sec
 PD 2.0000 sec
 PW1 7.80 usec
 IRNUC 101
 CTEMP 17.0 c
 SLEVT DMSO
 ENBLE 0.00 ppm
 BF 0.30 Hz
 RGAIN 13

