



INDOFINE Chemical Company, Inc.

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

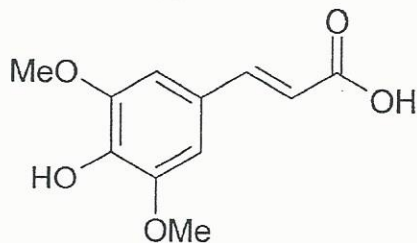
Phone: (908) 359-6778 • FAX: (908) 359-1179

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>	1512719
<u>Chemical Formula:</u>	C ₁₁ H ₁₂ O ₅
<u>Molecular Weight:</u>	224.21
<u>Melting Point:</u>	199-201°C
<u>Appearance:</u>	Cream powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform:Methanol (9:1)
<u>Moisture(KF):</u>	0.34%
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	99.84%





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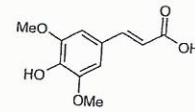
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HPLC ANALYSIS

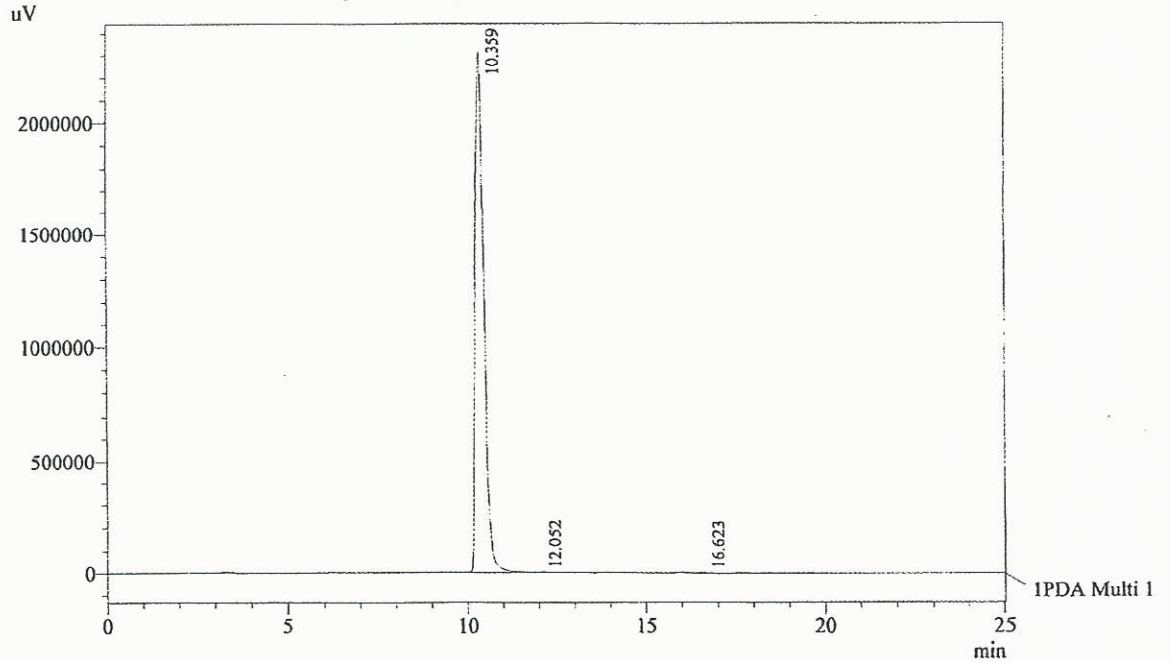
Acquired by : Admin
Sample Name : Sinapinic acid
Sample ID : 2.35 kg
Injection Volume : 20 uL
Data Filename : 041215B.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 01-1354
Product Name: Sinapinic acid
Lot No.: 1512719



Column : Gemini-C(18), (250mm x4.6mm 5.0μ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in Water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
25.0 90 10
Diluent : Acetonitrile

Chromatogram
Sinapinic acid D:\promonence\Data



1 PDA Multi 1 / 240nm 4nm

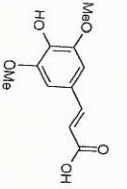
PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Sinapinic acid	10.359	38688579	99.83	1.00
2	RT:12.052	12.052	27937	0.07	1.16
3	RT:16.623	16.623	36020	0.09	1.60
Total			38752536	100.00	

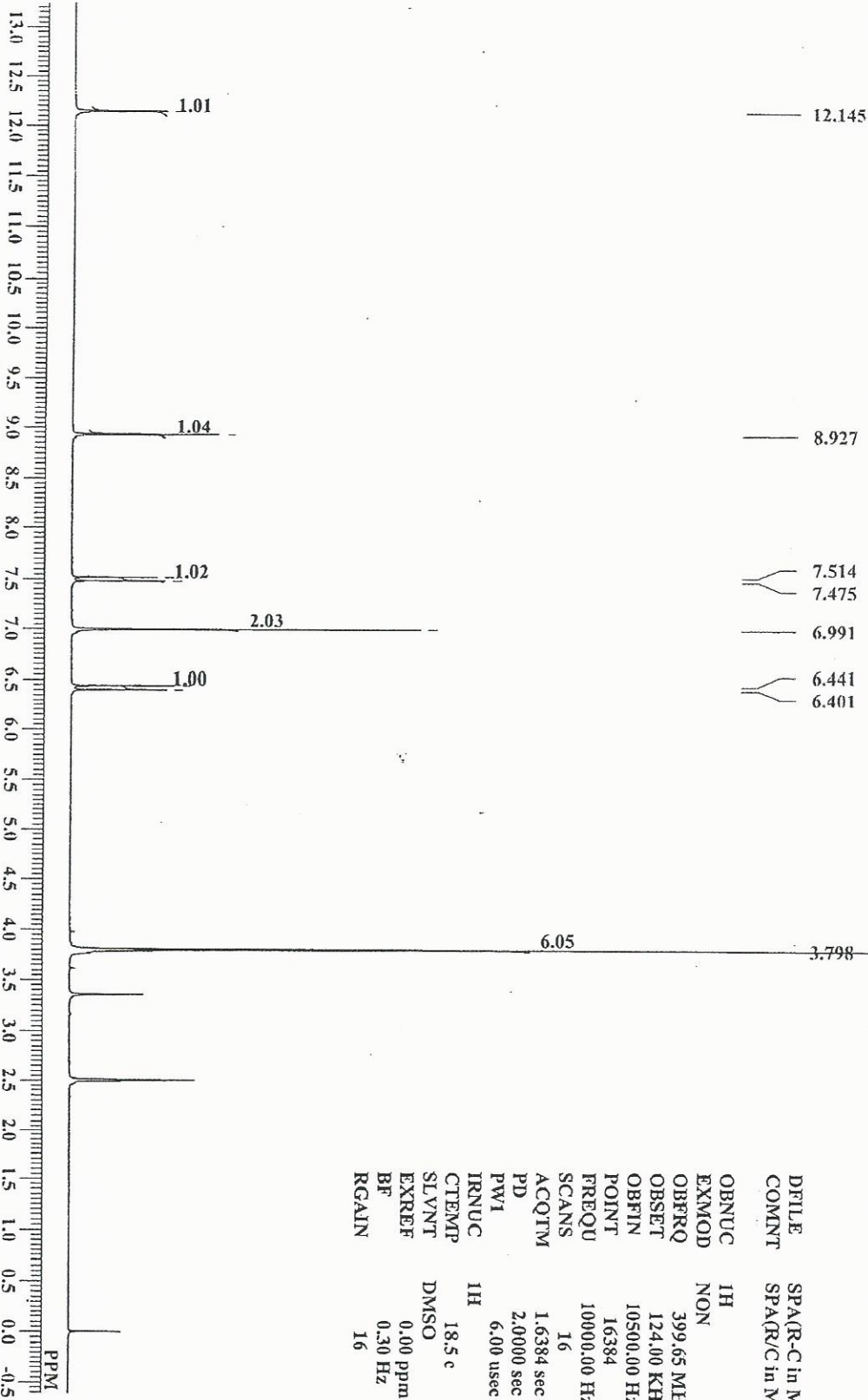


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Catalog No.: 01-1354
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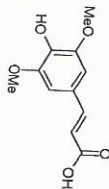
SPA(R/C in MeOH) 1H NMR DMSO-d6
 Analyzed By : KNR



DFILE	SPA(R-C in MeOH) 1H.nls
COMNT	SPA(R/C in MeOH) 1H NMR DMSO
OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFTN	10500.00 Hz
POINT	16384
FREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PW1	6.00 usec
IRNUC	1H
CTEMP	18.5 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	16

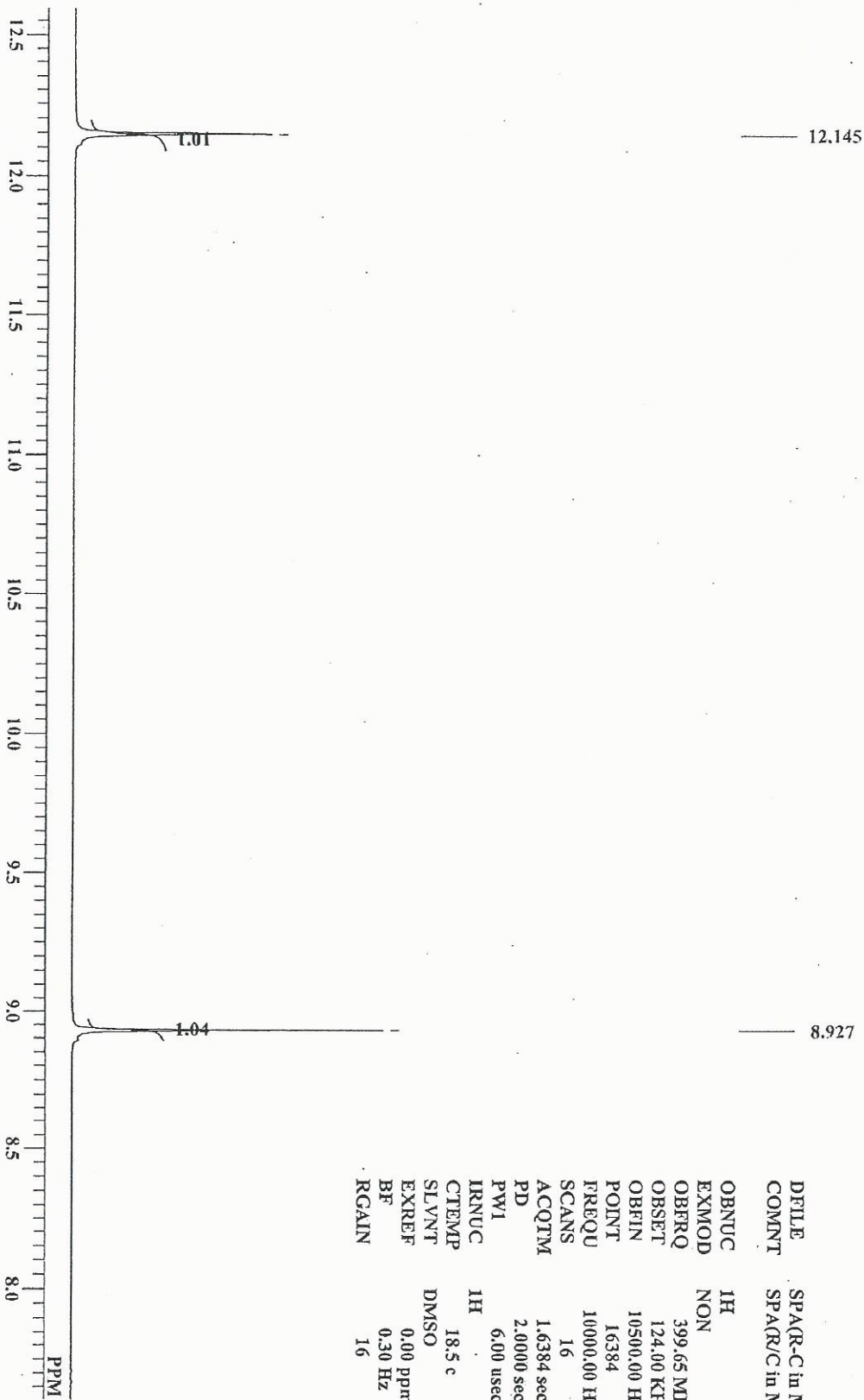


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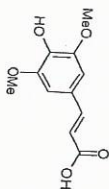
SPA(R/C in MeOH) 1H NMR DMSO-d6
 Analyzed By : KNRR



DFILE	SPA(R-C in MeOH) 1H.n1s
COMNT	SPA(R/C in MeOH) 1H NMR DMSO
OBNUC	1H
EXMOD	NON
OBFRO	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
PREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PW1	6.00 usec
IRNUC	1H
CTEMP	18.5 c
SLVNT	DMSO
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	16

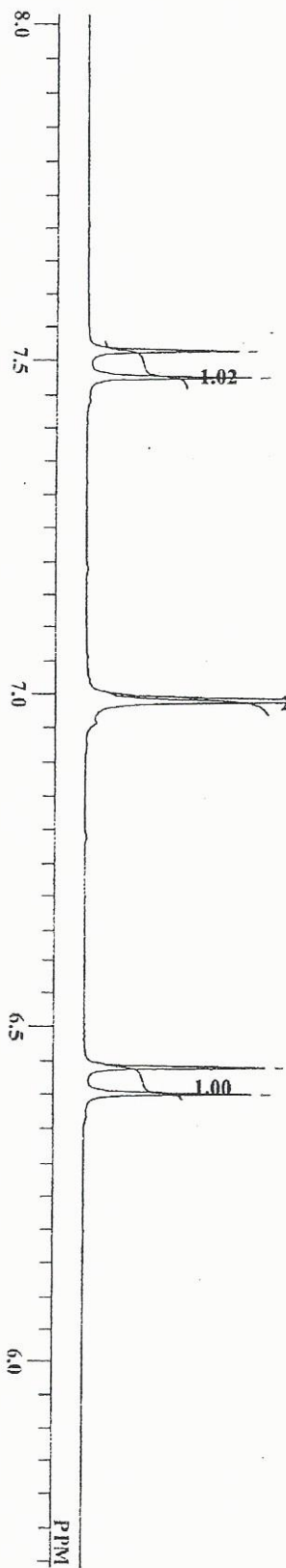
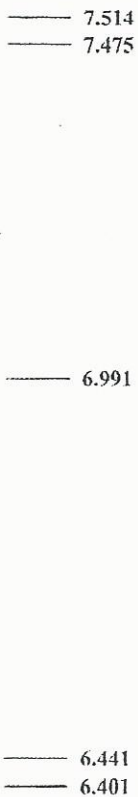


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SPAR/C in MeOH) 1H NMR DMSO-d6
 Analyzed By : KNIR



DFILE	SPAR/C in MeOH)	1H.als
COMNT	SPAR/C in MeOH)	1H NMR DMSI
OBNUC	1H	
EXMOD	NON	
OBRRQ	399.65 MHz	
OBSET	124.00 KHz	
OBFIN	10500.00 Hz	
POINT	16384	
FREQU	10000.00 Hz	
SCANS	16	
ACQTM	1.6384 sec	
PD	2.0000 sec	
PWI	6.00 usec	
IRNUC	1H	
CTEMP	18.5 c	
SLVNT	DMSO	
EXREF	0.00 ppm	
BR	0.30 Hz	
RGAIN	16	