



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

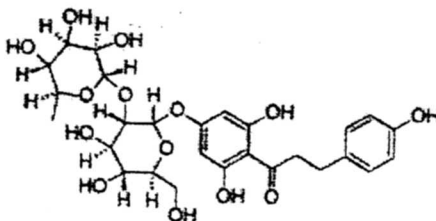
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 06-021

<u>Product name:</u>	NARINGIN DIHYDROCHALCONE
<u>CAS Number:</u>	[18916-17-1]
<u>Lot Number:</u>	0406221
<u>Molecular Weight:</u>	582.56
<u>Chemical Formula:</u>	C ₂₇ H ₃₄ O ₁₄
<u>Melting Point:</u>	152-154°C
<u>Appearance:</u>	Cream color powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform:Methanol (1:1)
<u>Storage:</u>	Cool dry place
<u>Purity:</u>	99.57%





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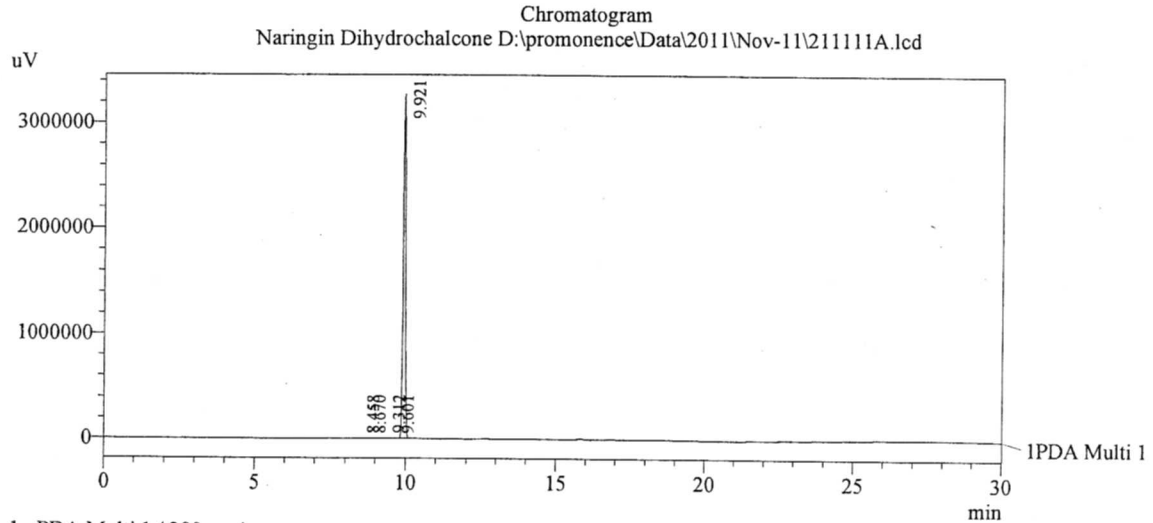
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Admin
Sample Name : Naringin Dihydrochalcone
Sample ID : Lot No: 0406221
Injection Volume : 20 uL
Data Filename : 211111A.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: 06-021
Product name: Naringin dihydrochalcone
Lot No.: 0406221

Date Acquired : 11/21/2011 10:36:09 AM
Data Processed : 11/21/2011 11:59:03 AM
Column : LUNA C-18(2), (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
25.0 90 10
30.0 90 10



PDA Ch1 280nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.458	8.458	11988	0.07	0.85
2	RT:8.670	8.670	9980	0.05	0.87
3	RT:9.312	9.312	48797	0.27	0.94
4	RT:9.601	9.601	8661	0.05	0.97
5	RT:9.921	9.921	18212809	99.57	1.00
Total			18292235	100.00	

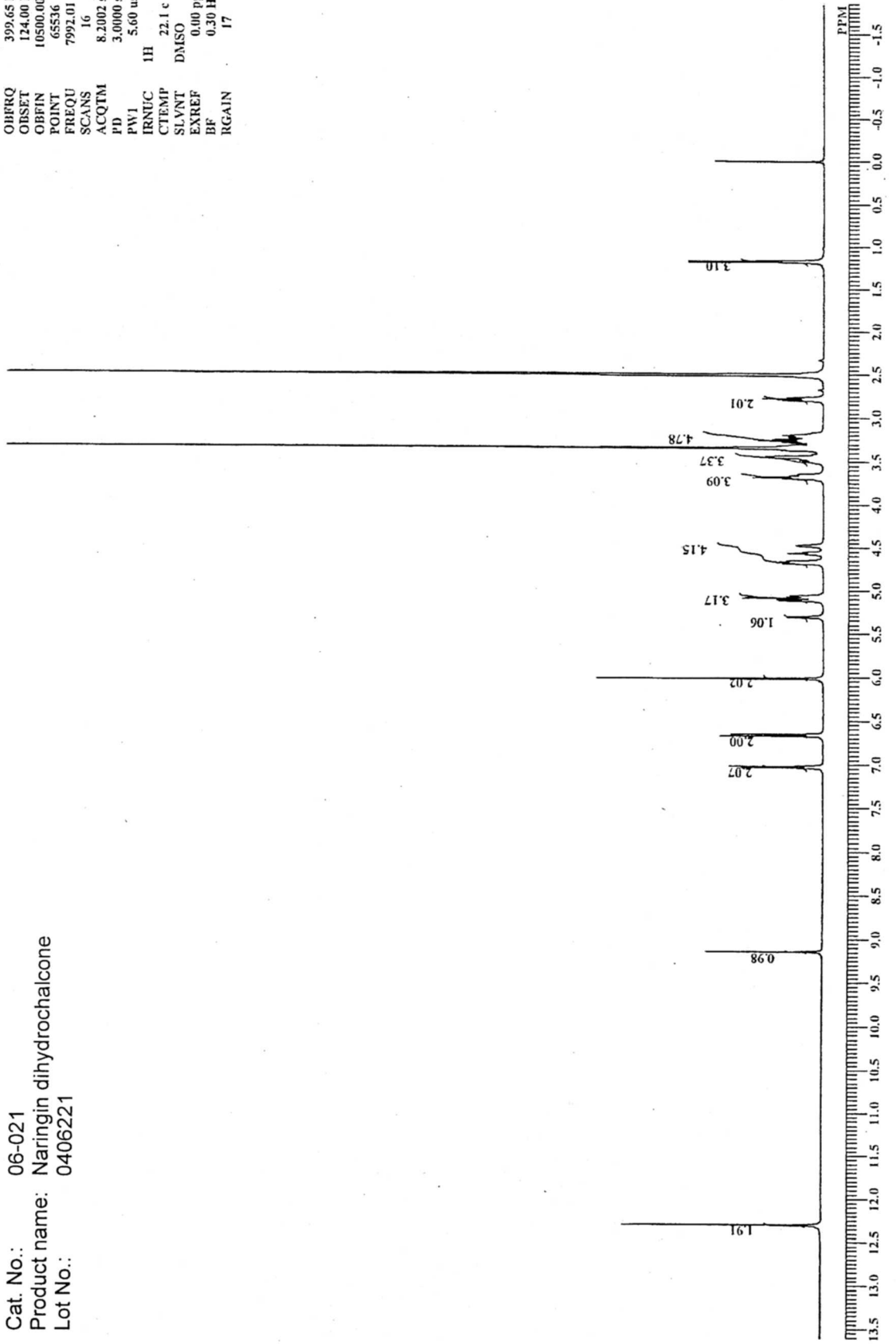


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BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

IFC-6 1H NMR DMSO-D6

Cat. No.: 06-021
Product name: Naringin dihydrochalcone
Lot No.: 0406221

DFILE IFC-6.als
COMNT IFC-6 1H NMR DMSO-D6
DATIM Tue Nov 22 20:48:53 2011
OBNUC 1H
EXMOD NON
OBFRO 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PW1 5.60 usec
IRNUC 1H
CTEMP 22.1 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17





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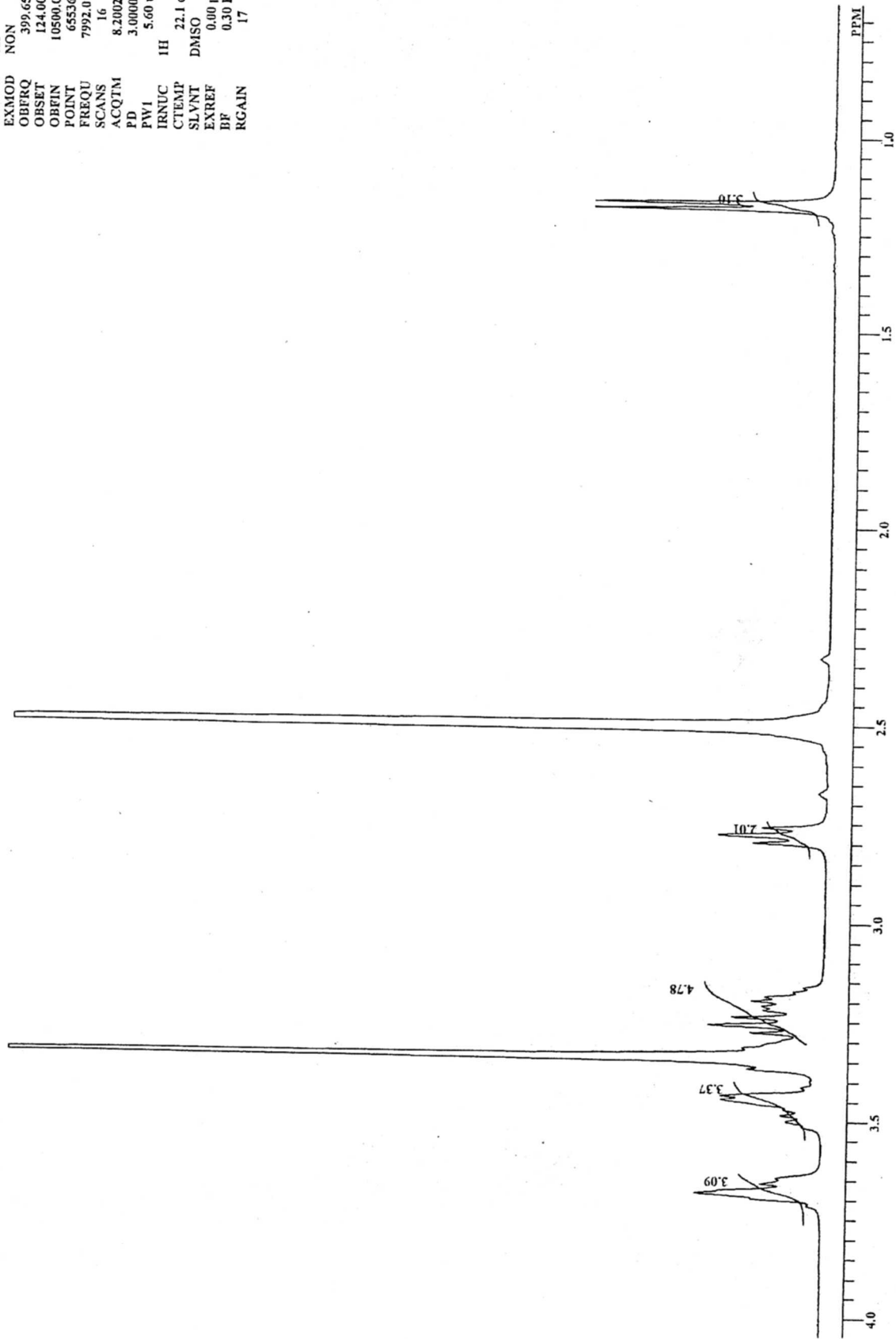
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