



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

Catalog Number: G-103

Product Name: **GENISTEIN**
(5,7,4'-Trihydroxyisoflavone)

Cas Number: [446-72-0]

Lot Number: 0406213

Chemical Formula: C₁₅H₁₀O₅

Molecular Weight: 270.25

Melting Point Above 290°C

Appearance: Off white powder

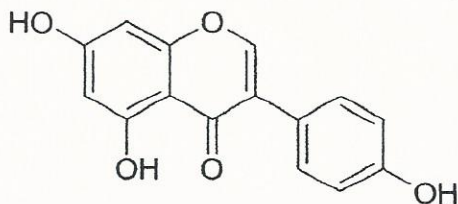
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirmsto the structure)

Storage: Cool dry place

Purity (HPLC): 99.58%





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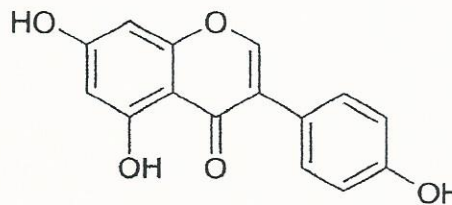
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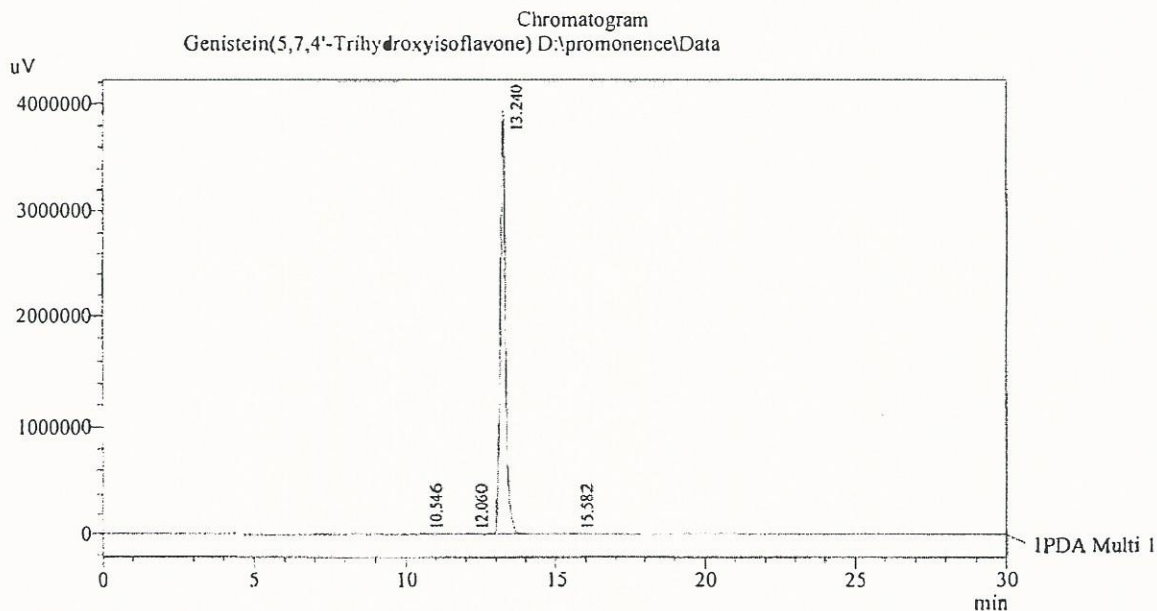
E-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Genistein(5,7,4'-Trihydroxyisoflavone)
 Sample ID : Lot No:-0406213
 Injection Volume : 20 uL
 Data Filename : 100413G.lcd
 Method Filename : Linear Gradient.M.lcm
 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
 23.0 90 10
 30.0 90 10
 Diluent : Methanol



Catalog No.: G-103
 Product name: Genistein
 Lot No.: 0406213



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

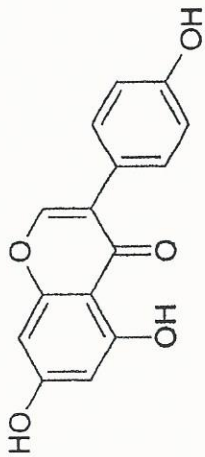
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.546	10.546	70551	0.15	0.80
2	RT:12.060	12.060	65614	0.14	0.91
3	Genistein	13.240	47472623	99.58	1.00
4	RT:15.582	15.582	61795	0.13	1.18
Total			47670583	100.00	



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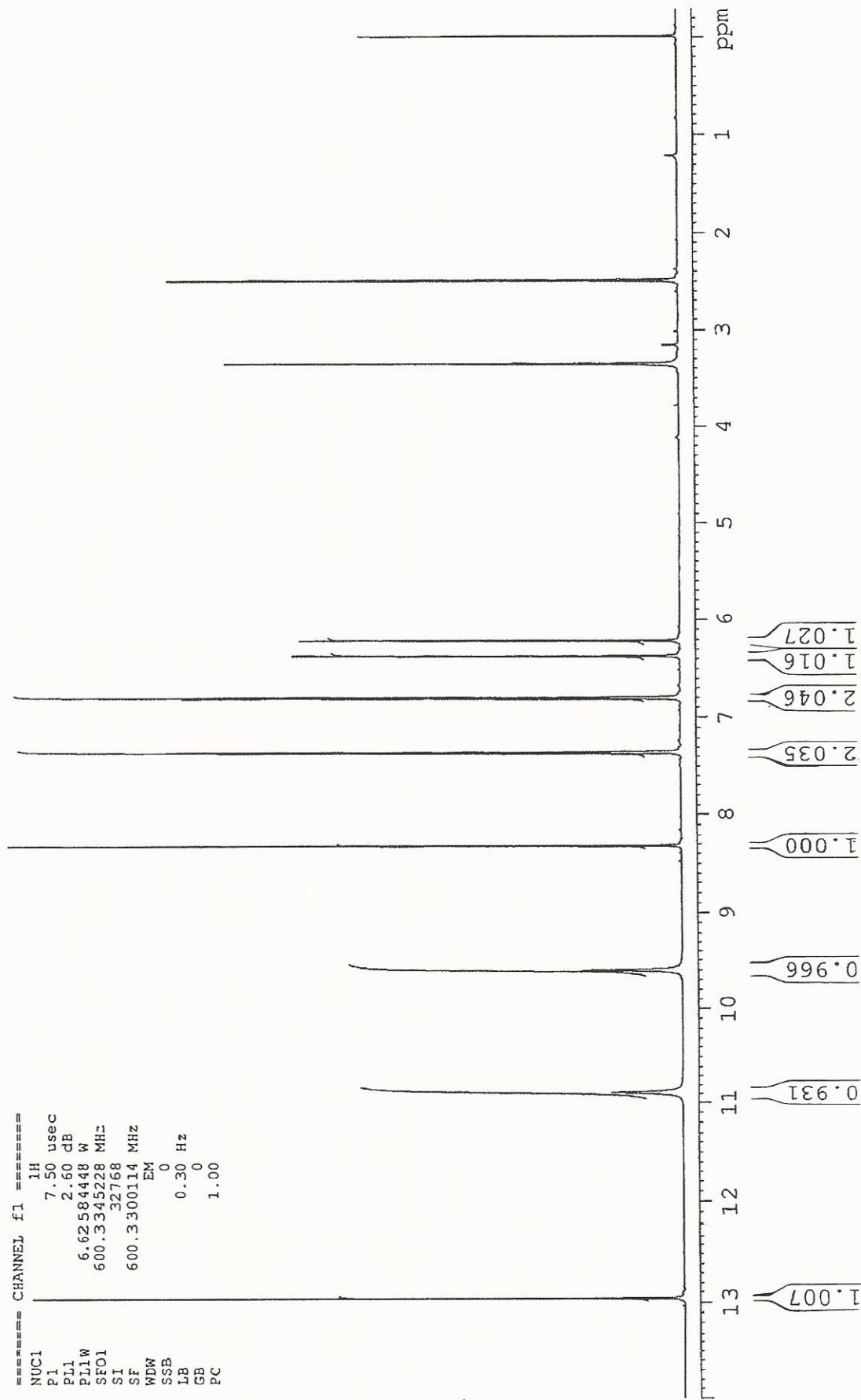
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Lot No.: 0406213



SOLVENT DMSO
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300114 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

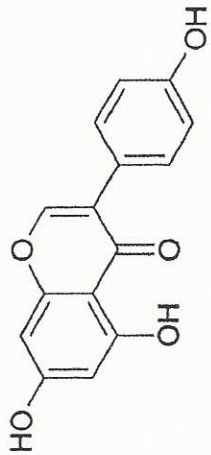




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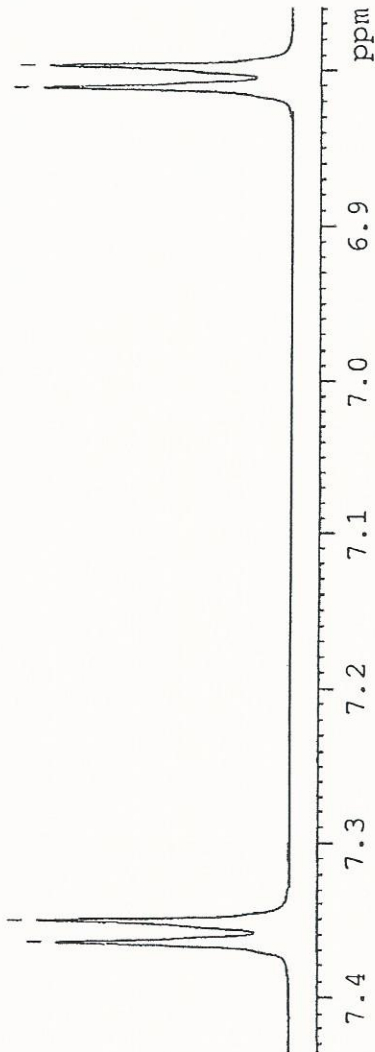
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1H IN DMSO
 AVANCE-600

===== CHANNEL f1 =====
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 SF01 600 3345228 MHz
 SI 32768
 SF 600.3300114 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

7.366
7.352

6.812
6.798



6.375
6.371

6.211
6.208

