



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

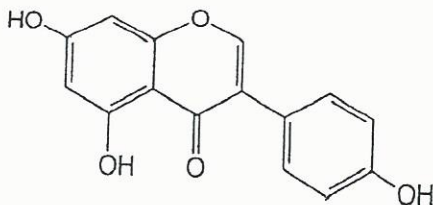
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat. No.: G-103

<u>Product:</u>	GENISTEIN (5,7,4'-Trihydroxyisoflavone)
<u>CAS No.:</u>	[446-72-0]
<u>Lot No.:</u>	0604043
<u>Molecular Formula:</u>	C ₁₅ H ₁₀ O ₅
<u>Molecular Weight:</u>	270.24
<u>Melting Point:</u>	300-304°C
<u>Appearance:</u>	Cream color powder
<u>Solubility:</u>	Soluble in DMSO, ethanol and dilute aqueous base Insoluble in water
<u>Purity (HPLC):</u>	99+%





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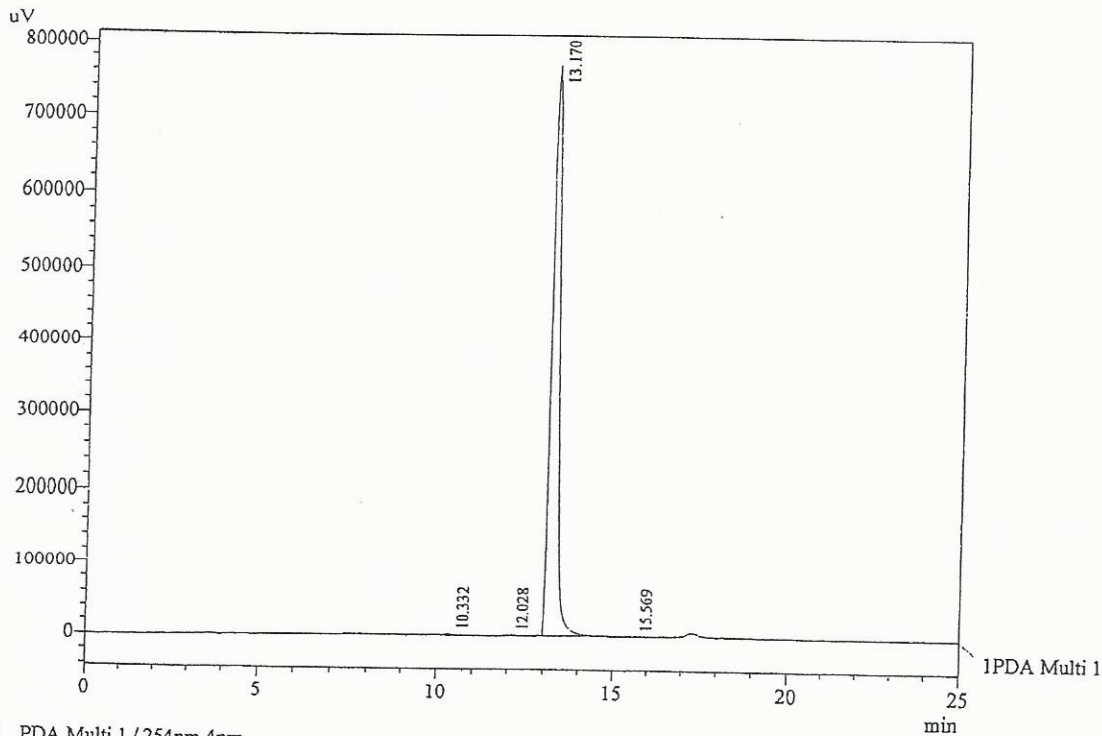
e-mail: chemical@indofinechemical.com

Acquired by : Ramana
Sample Name : Genistein
Sample ID : Indofine (Lot No.0604043)
Injection Volume : 20 uL
Data Filename : 170509D.lcd
Method Filename : Linear Gradient.M.lcm

Cat. No.: G-103
Product: Genistein
Lot No.: 0604043

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

Chromatogram



1 PDA Multi 1 / 254nm 4nm

PeakTable

Ch1 254nm 4nm

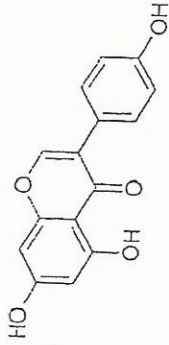
Peak#	Ret. Time	Area	Height	Area %
1	10.332	47002	1697	0.394
2	12.028	17985	860	0.151
3	13.170	11845668	766639	99.351
4	15.569	12344	399	0.104
Total		11923000	769594	100.000



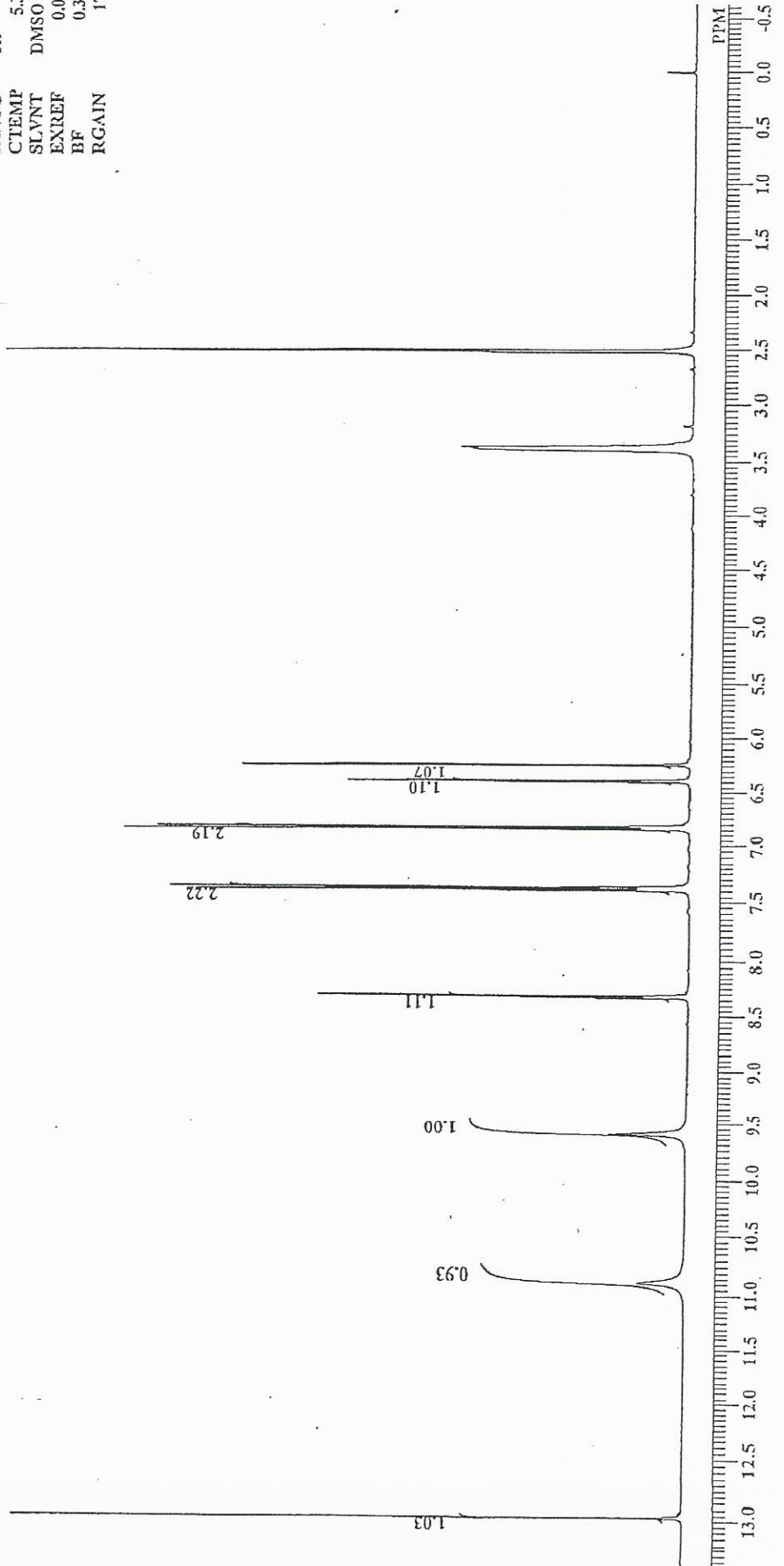
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog no.: G-103
Product name: Genistein
Lot No.: 0604043

GNST 1H NMR DMSO-D6



DFILE GNST.als
COMNT GNST 1H NMR D
OBNUC 1H
EXMOD NON
OBFRQ 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
PWI 6.00 usec
IRNUC 1H
CTEMP 53 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

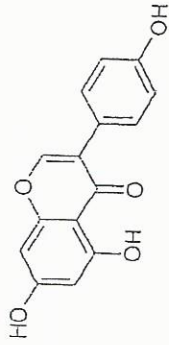




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Catalog no.: G-103
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GNST 1H NMR DMSO-D6



DFILE GNST.afs
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OBNUC 1H
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OBFRQ 399.65 MHz
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POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 6.00 usec
IRNUC 1H
CTEMP 5.3 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17

