



INDOFINE Chemical Company, Inc.

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

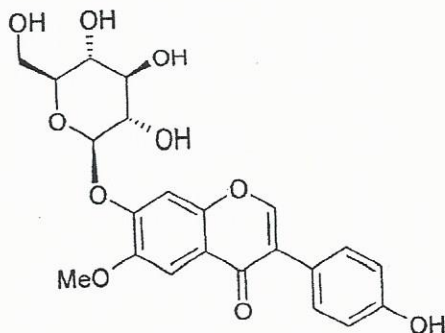
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	GL-002
<u>Product Name:</u>	GLYCITIN (Glycitein-7-O- β -7-D-glucopyranoside)
<u>Cas Number:</u>	[40246-10-4]
<u>Lot Number:</u>	0310179
<u>Chemical Formula:</u>	C ₂₂ H ₂₂ O ₁₀
<u>Molecular Weight:</u>	446.41
<u>Melting Point:</u>	210-211°C
<u>Appearance:</u>	Light cream color powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform:methanol:AcOH (8.5:1.5:0.1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	0-5°C
<u>Purity (HPLC):</u>	99.48%





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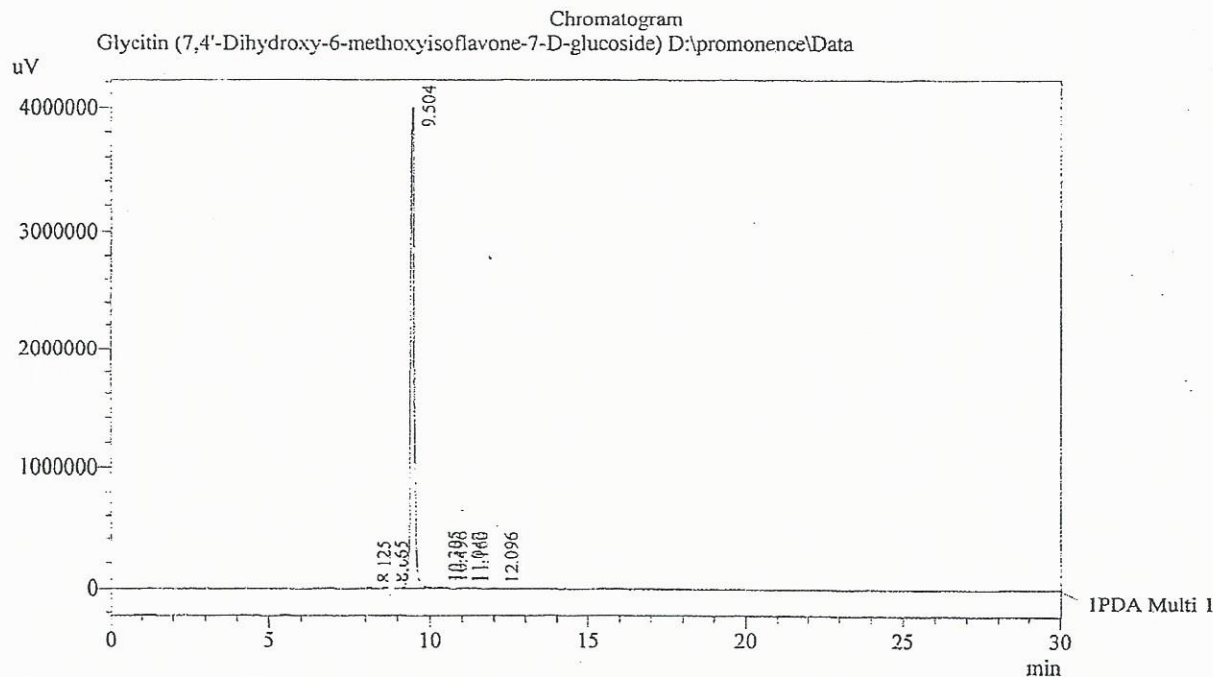
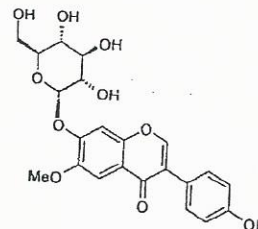
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Glycitin (7,4'-Dihydroxy-6-methoxyisoflavone-7-D-glucoside)
 Sample ID : Lot No:- 0310179
 Injection Volume : 20 uL
 Data Filename : 1105131.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: GL-002
 Product name: Glycitin
 Lot No.: 0310179

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.125	8.125	14238	0.05	0.85
2	RT:8.665	8.665	23211	0.08	0.91
3	Glycitin	9.504	30596224	99.48	1.00
4	RT:10.305	10.305	40358	0.13	1.08
5	RT:10.496	10.496	30539	0.10	1.10
6	RT:11.042	11.042	19031	0.06	1.16
7	RT:11.160	11.160	11137	0.04	1.17
8	RT:12.096	12.096	20986	0.07	1.27
Total			30735724	100.00	



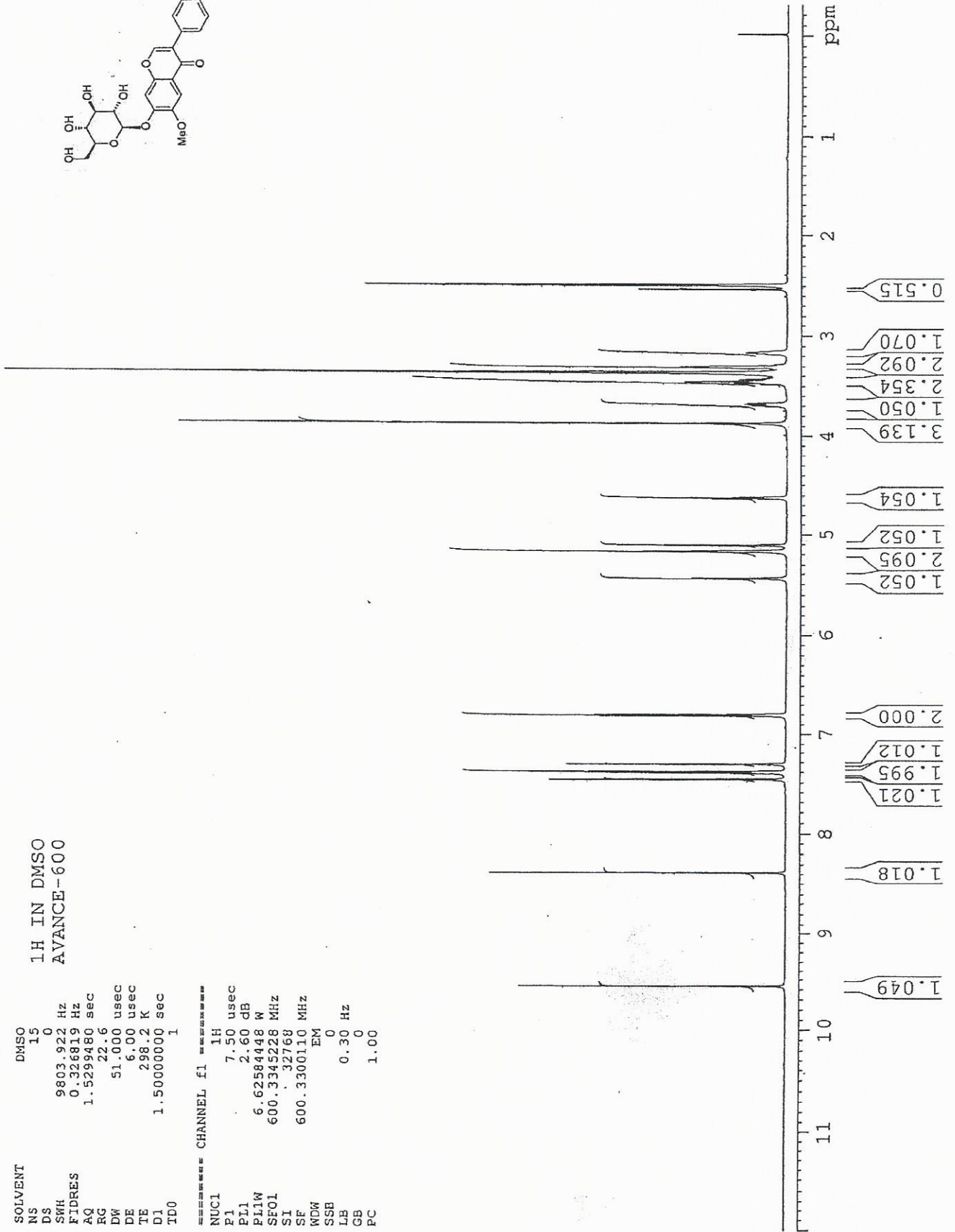
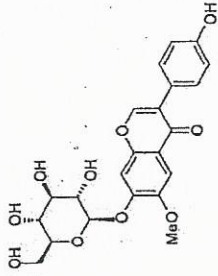
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog No.: GL-002
Product name: Glycitin
Lot No.: 0310179

1H IN DMSO
AVANCE-600

SOLVENT DMSO
NS 15
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

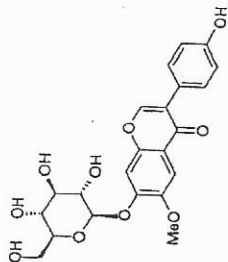
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NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFOL 600.3345228 MHz
SI 32768
SF 600.3300110 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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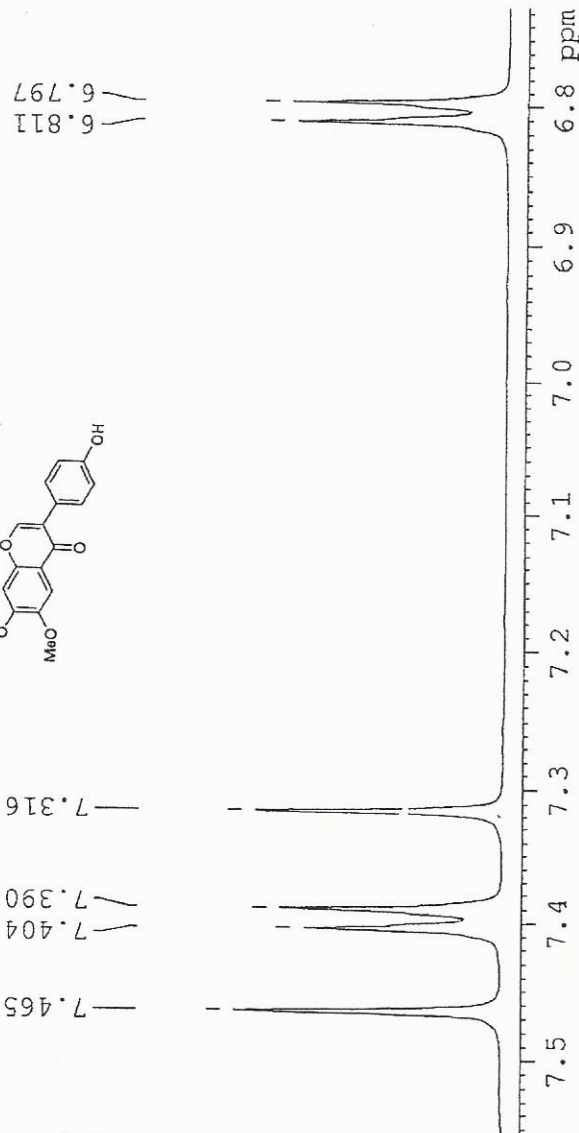
Catalog No.: GL-002
 Product name: Glycitin
 Lot No.: 0310179



SOLVENT DMSO
 NS 15
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5259480 sec
 RG 22.6
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

1H IN DMSO
 AVANCE-600

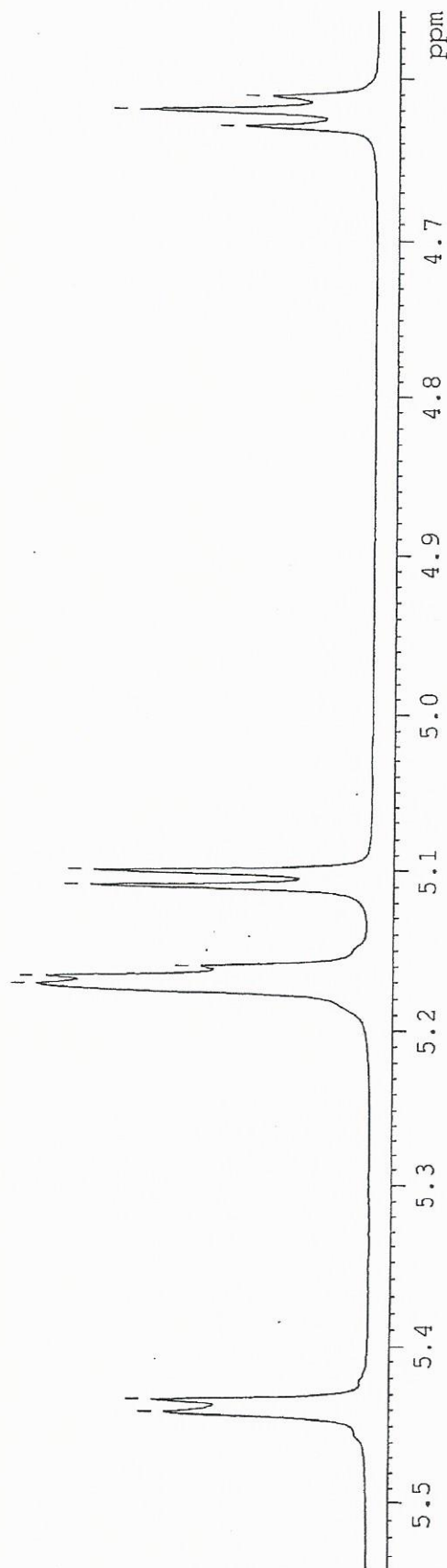
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 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1LW 6.6258448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300110 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



5.434
 5.443
 5.443

5.173
 5.168
 5.161
 5.110
 5.101

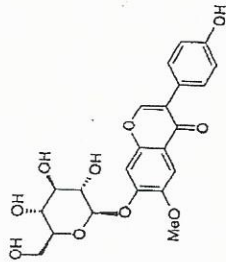
4.630
 4.620
 4.611





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Catalog No.: GL-002
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1H IN DMSO
AVANCE-600

