



# INDOFINE Chemical Company, Inc.

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

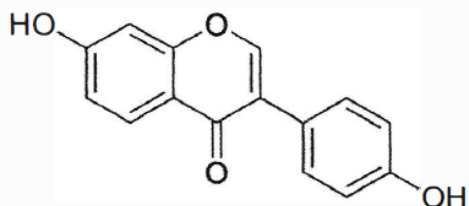
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	D-101
<u>Product Name:</u>	<b>DAIDZEIN</b> (7,4'-Dihydroxyisoflavone)
<u>CAS Number:</u>	[486-66-8]
<u>Lot No.:</u>	0406210
<u>Molecular Formula:</u>	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	254.24
<u>Melting Point:</u>	>290°C
<u>Appearance:</u>	White powder
<u>Solubility:</u>	DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	+4°C
<u>Purity (HPLC):</u>	98.13%





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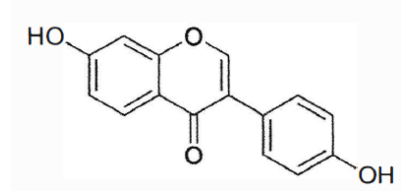
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## HPLC ANALYSIS

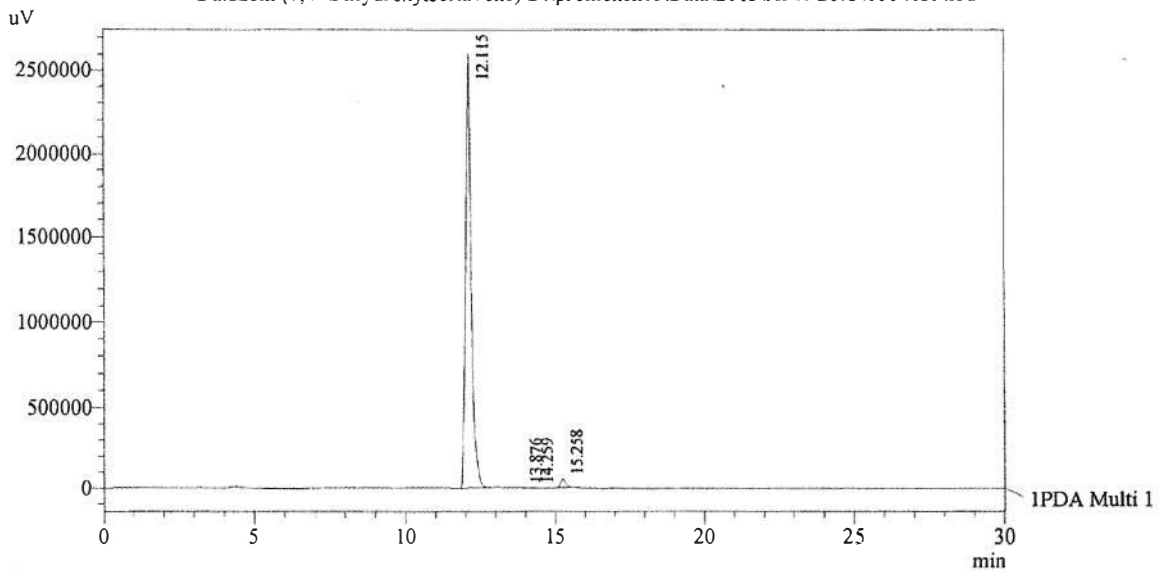
Acquired by : Sanjeev  
Sample Name : Daidzein (7,4'-Dihydroxyisoflavone)  
Sample ID : Lot No:-0406210  
Injection Volume : 20 uL  
Data Filename : 100413F.lcd  
Method Filename : Linear Gradient.M.lcm



Catalog No.: D-101  
Product name: Daidzein  
Lot No.: 0406210

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

Chromatogram  
Daidzein (7,4'-Dihydroxyisoflavone) D:\promonence\Data\2013\APR-2013\100413F.lcd



I PDA Multi 1 / 254nm 4nm

Peak Table

PDA Ch1 254nm 4nm

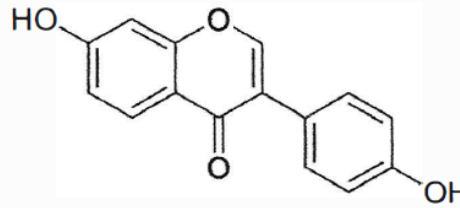
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	Daidzein	12.115	33141929	98.13	1.00
2	RT:13.876	13.876	9213	0.03	1.15
3	RT:14.259	14.259	9832	0.03	1.18
4	RT:15.258	15.258	611885	1.81	1.26
Total			33772860	100.00	



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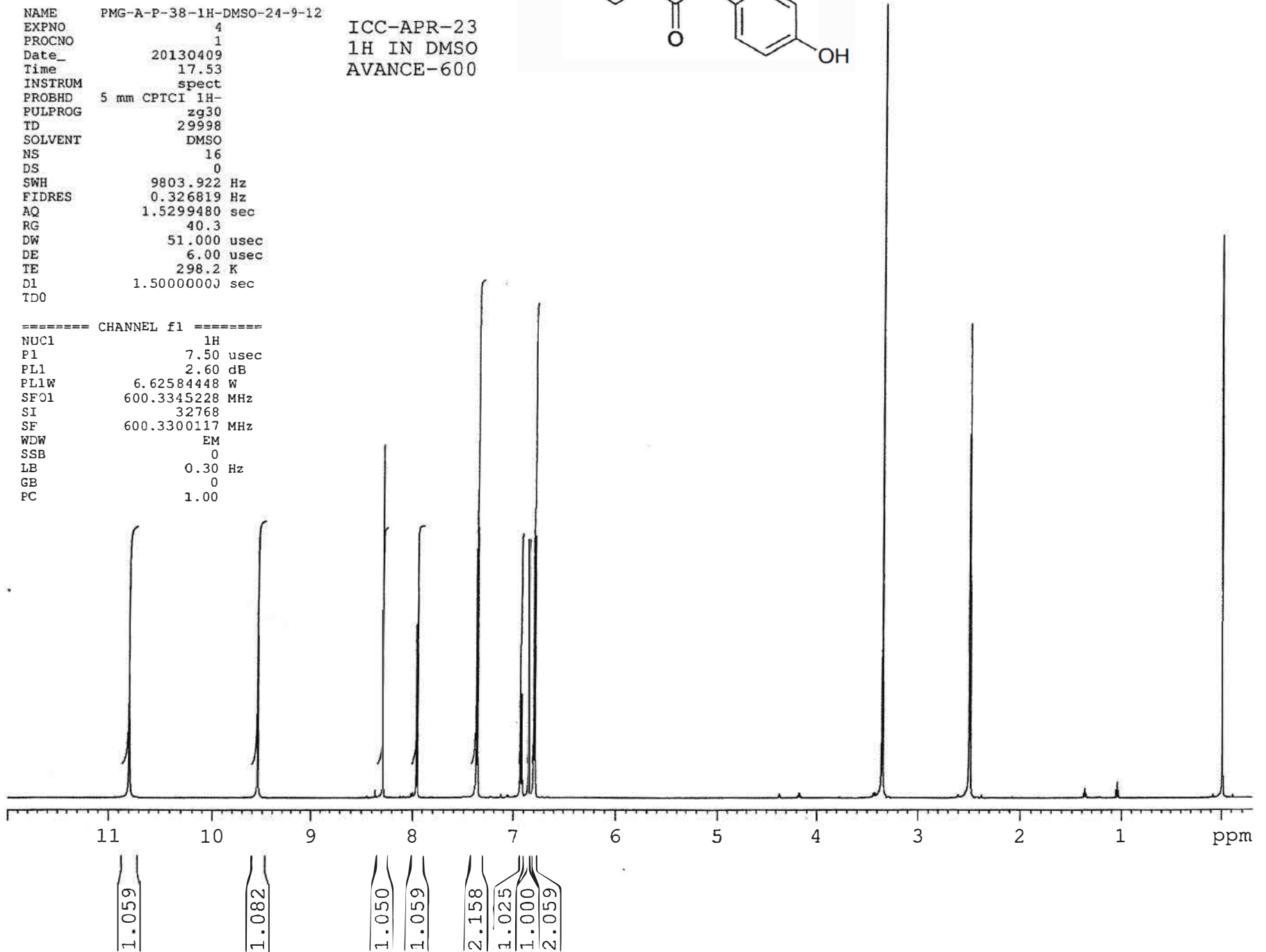
Catalog No.: D-101  
Product name: Daidzein  
Lot No.: 0406210



NAME PMG-A-P-38-1H-DMSO-24-9-12  
EXPNO 4  
PROCNO 1  
Date\_ 20130409  
Time 17.53  
INSTRUM spect  
PROBHD 5 mm CPTCI 1H-  
PULPROG zg30  
TD 29998  
SOLVENT DMSO  
NS 16  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 40.3  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0

ICC-APR-23  
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 600.3300117 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

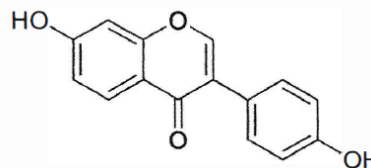




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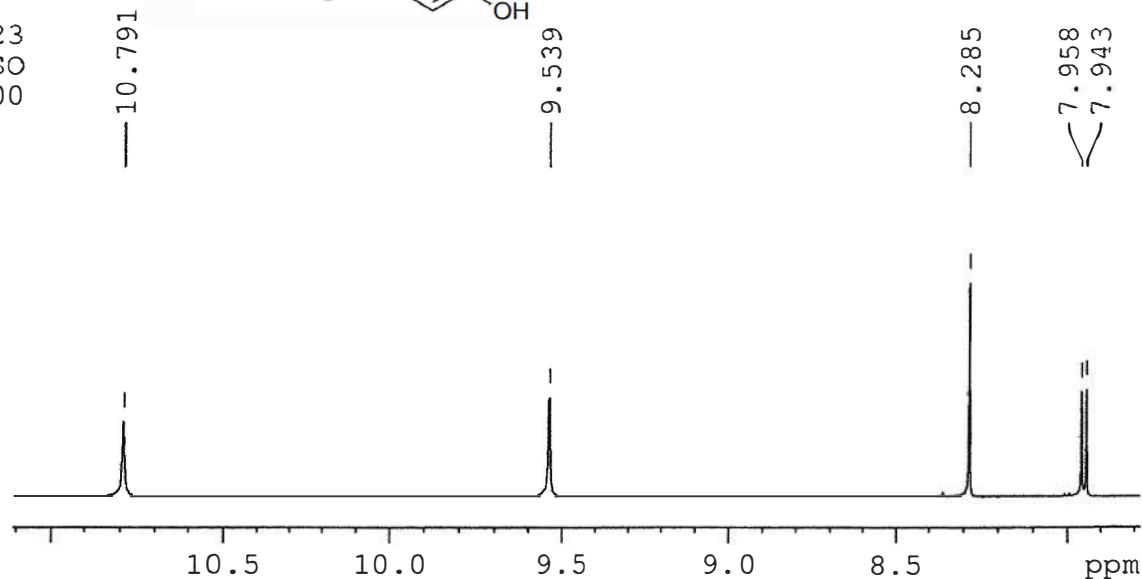
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