



INDOFINE Chemical Company, Inc.

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

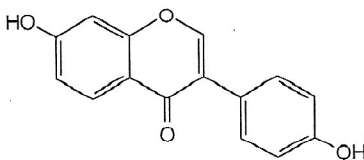
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	D-101N
<u>Product Name:</u>	DAIDZEIN (7,4'-Dihydroxyisoflavone)
<u>CAS Number:</u>	[486-66-8]
<u>Lot No.:</u>	0406210
<u>Molecular Formula:</u>	C ₁₅ H ₁₀ O ₄
<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>Storage:</u>	Store in a cool, dry place
<u>Purity (HPLC):</u>	98.13%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and Approved by:
Sujata Moton
Sujata Moton
VP



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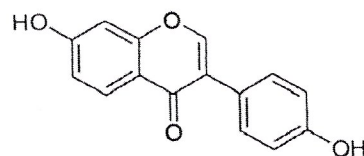
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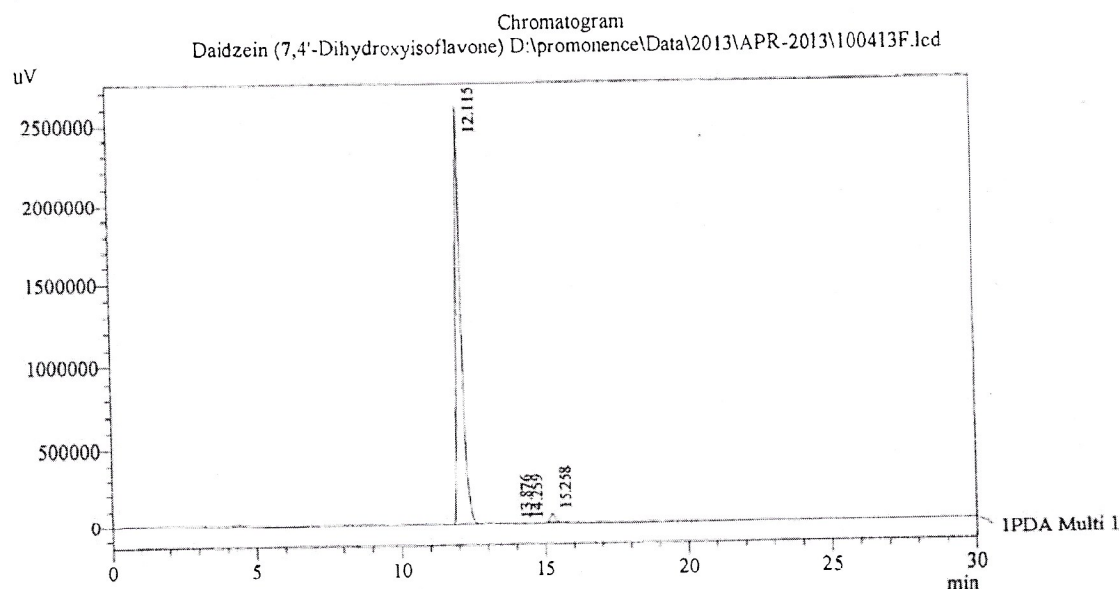
HPLC ANALYSIS

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



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



1 PDA Multi 1 / 254nm 4nm

PeakTable

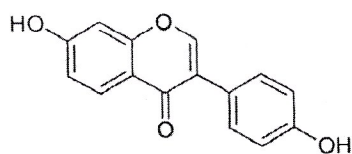
PDA Ch1 254nm 4nm

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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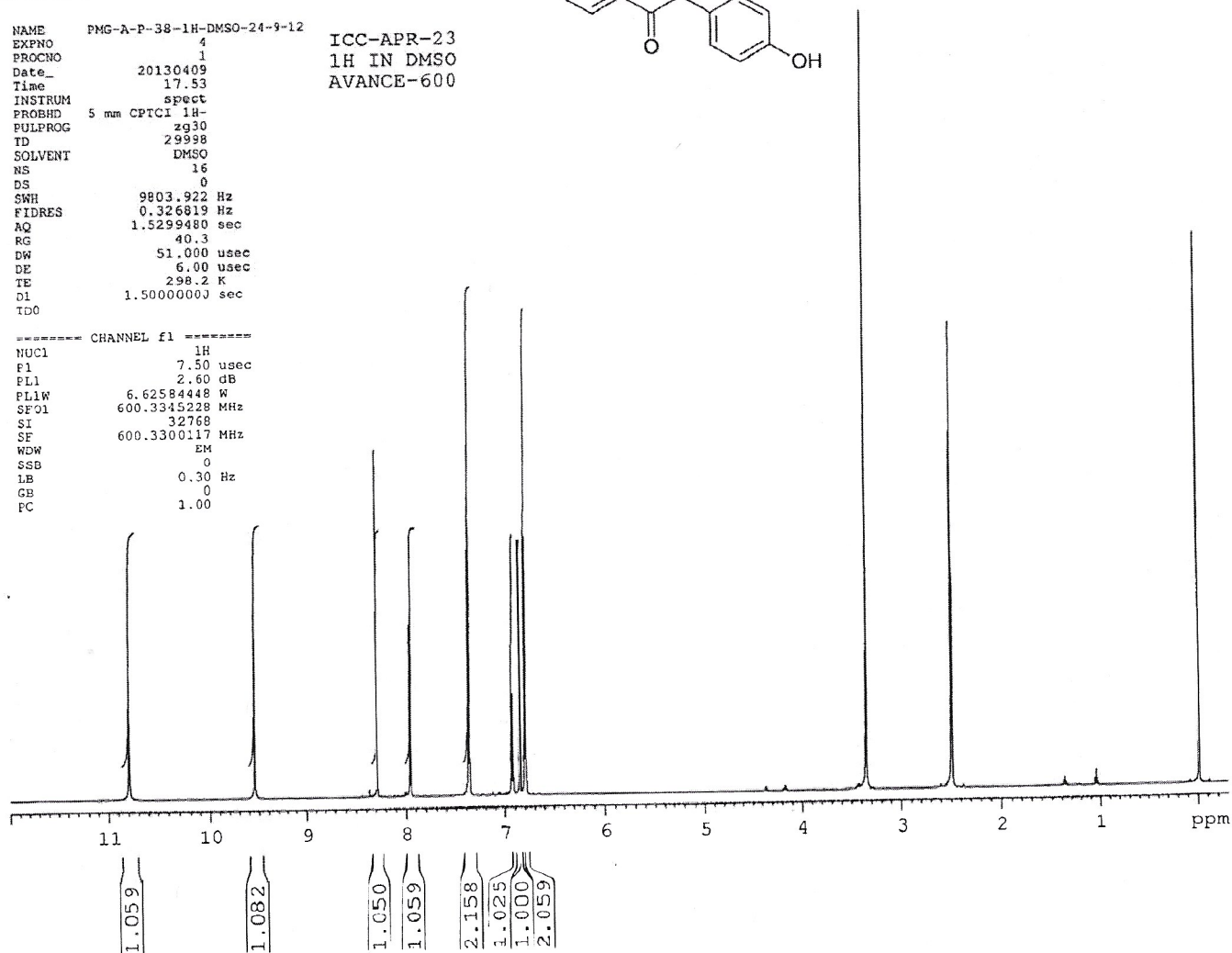


Catalog No.: D-101
Product name: Daidzein
Lot No.: 0406210

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

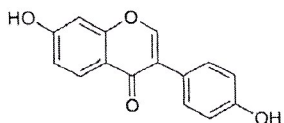
----- CHANNEL f1 -----
NUC1 1H
F1 7.50 usec
FL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3345228 MHz
SI 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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