



# 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

Cat. No.: D-101

Product:

**DAIDZEIN**  
(7,4'-Dihydroxyisoflavone)

CAS Number:

[486-66-8]

Lot No.:

071212146

Molecular Formula:

$C_{15}H_{10}O_4$

Molecular Weight:

254.24

Melting Point:

>280°C

Appearance:

White to off white powder

TLC:

Chloroform:Methanol (9:1)

Solubility:

Soluble in DMSO

NMR Spectrum:

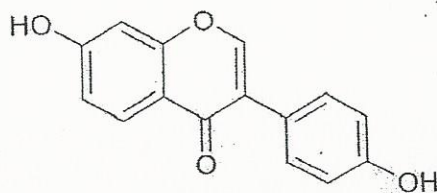
Enclosed

Storage:

Cool and dry place

Purity (HPLC):

99.03%





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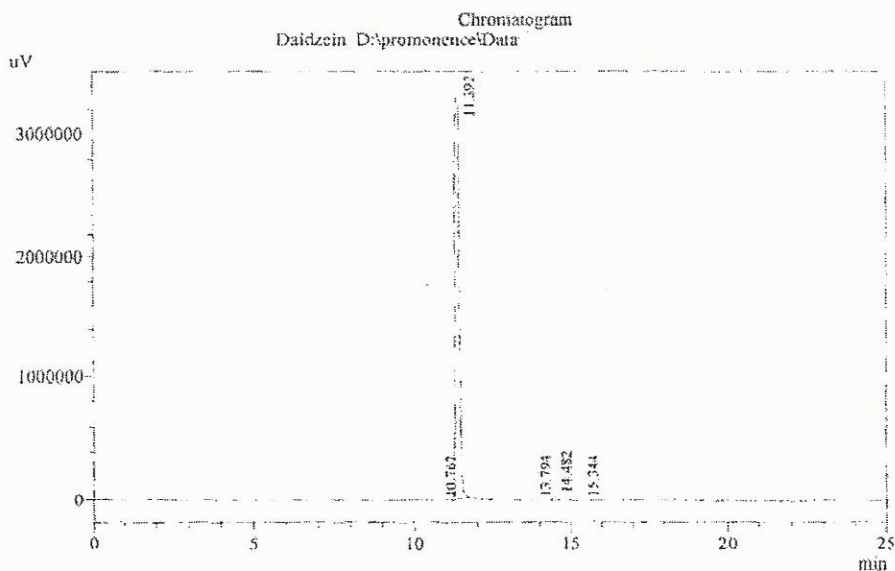
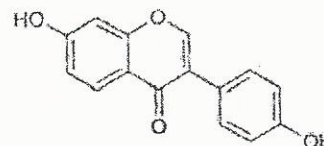
## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : Daidzein  
 Sample ID : Lot No:-071212146  
 Injection Volume : 20 µl  
 Data Filename : 290512L.fcd  
 Method Filename : Linear Gradient Method

Catalog no.: D-101  
 Product name: Daidzein  
 Lot No.: 071212146

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
25.0	90	10



1 PDA Multi 1 / 254nm 4nm

PeakTable

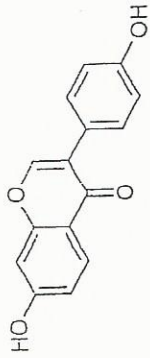
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.767	10.767	4686	0.02	0.95
2	Daidzein	11.392	30918471	99.03	1.00
3	RT:13.794	13.794	3817	0.01	1.21
4	RT:14.482	14.482	285995	0.92	1.27
5	RT:15.344	15.344	8024	0.03	1.35
Total			31220993	100.00	

IPDA Multi 1



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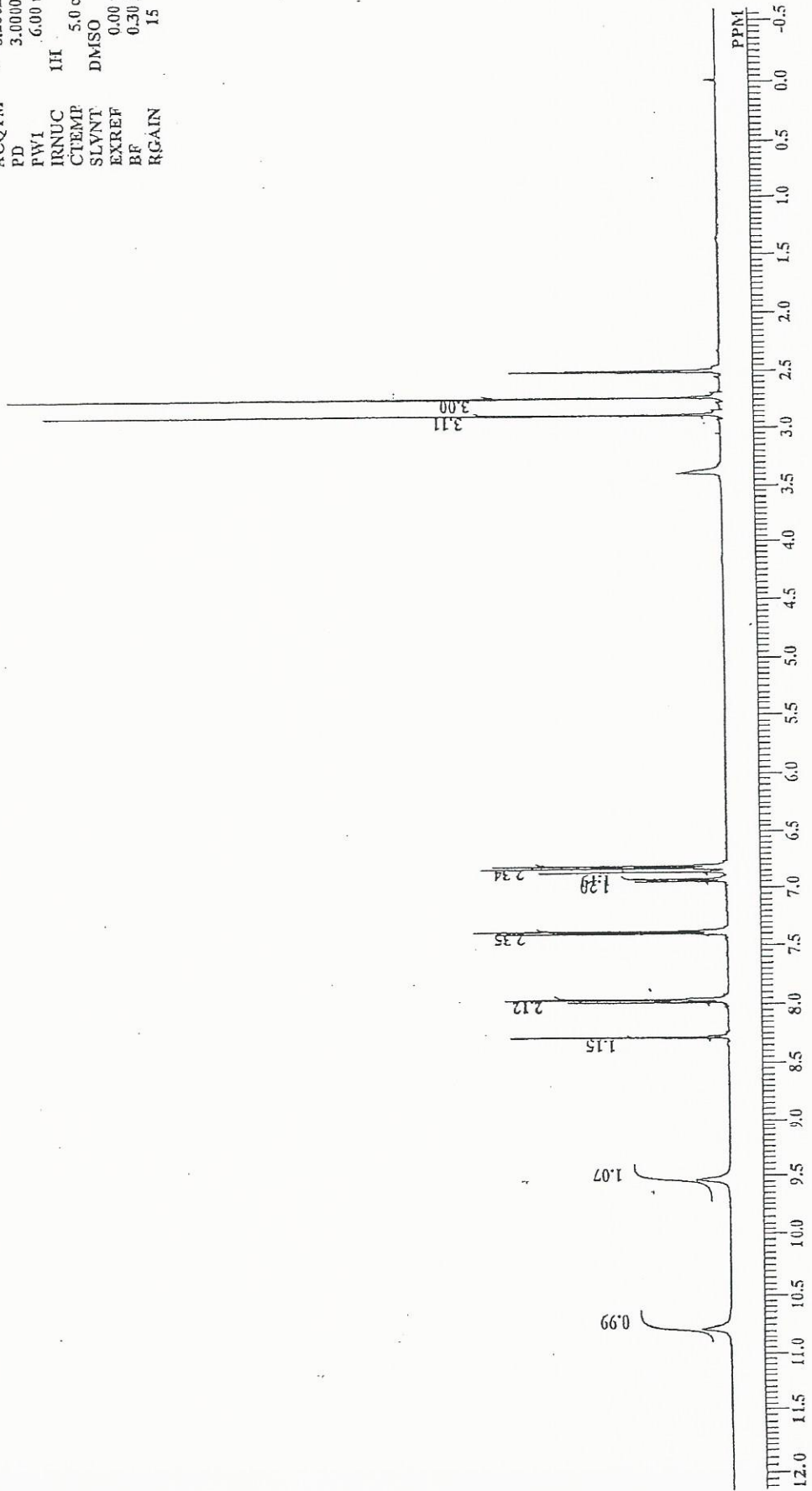
Catalog no.: D-101  
Product name: Daidzein  
Lot No.: 071212146



DIDZ 1H.NMR  
DIDZ 1H.NMR.DMSC

DIDZ 1H.NMR.DMSO-D6

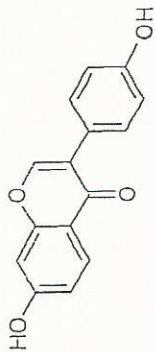
OBNUC 1H  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 KHz  
OBFIN 10500.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.2002 sec  
PD 3.0000 sec  
PWI 6.00 usec  
IRNUC 1H  
CTEMP 5.0 C  
SLVNT DMSO  
EXREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 15





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Catalog no.: D-101  
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Lot No.: 071212146



DIDZ1HNMR.DMSO-D6

DIFILE DIDZ1H<sup>1</sup>als  
COMNT DIDZ1HNMR.DMSO  
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  
TW1 6.00 uscc  
IRNUC 1H  
CTEMP 5.0 c  
SLVNT DMSO  
EXREF 0.00 ppm  
BF 0.50 Hz  
RGAIN 15

