



# 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

Catalog Number: T-116

Product Name: **6,7,4'-TRIHYDROXYISOFLAVONE**  
(Demethyltexasin)

CAS Number: [17817-31-1]

Lot Number: 0310159

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>5</sub>

Molecular Weight: 270.24

Melting Point: Above 290°C

Appearance: Dull white powder

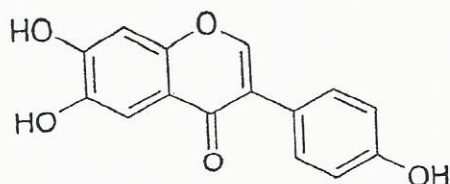
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity HPLC): 99.29%





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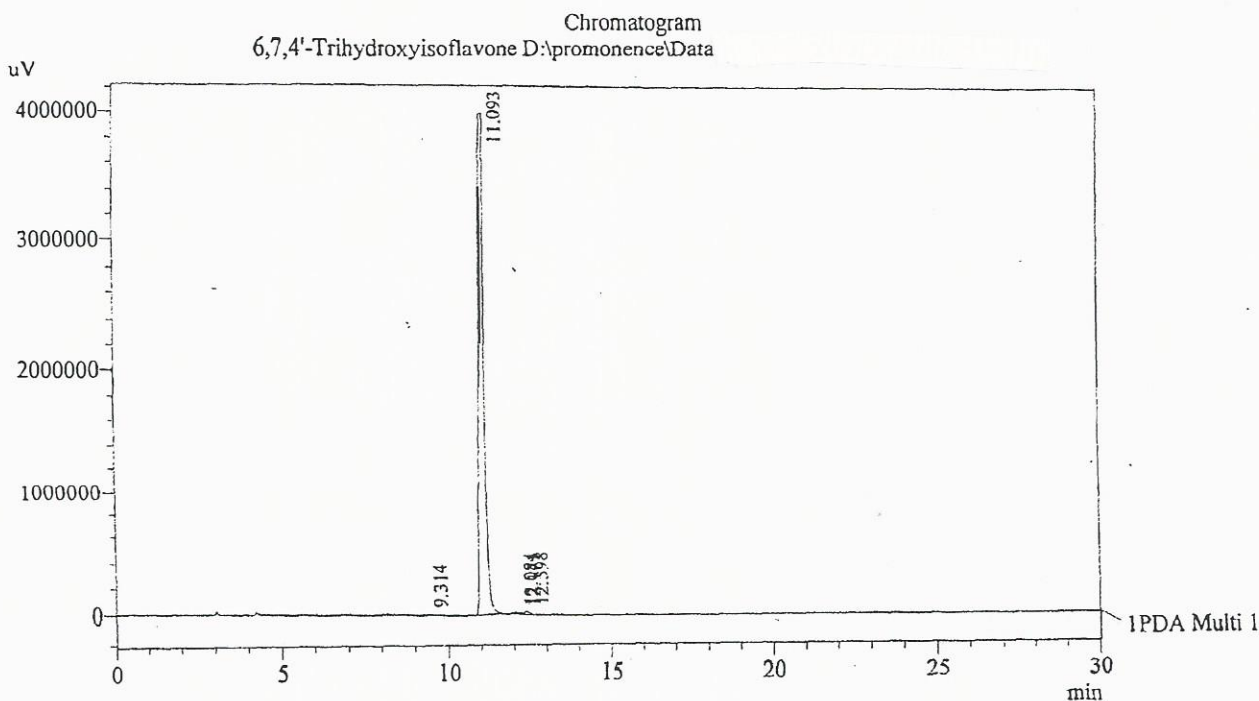
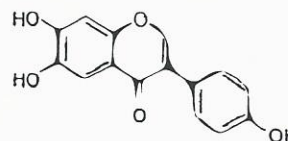
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 6,7,4'-Trihydroxyisoflavone  
Sample ID : Lot No:- 0310159  
Injection Volume : 20 uL  
Data Filename : 110513H.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: T-116  
Product name: 6,7,4'-Trihydroxyisoflavone  
Lot No.: 0310159

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 IPDA Multi 1 / 254nm 4nm

PeakTable

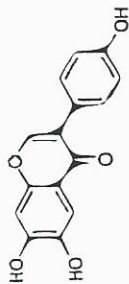
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.314	9.314	36726	0.08	0.84
2	6,7,4'-Trihydroxyisoflavone	11.093	45352231	99.29	1.00
3	RT:12.084	12.084	59893	0.13	1.09
4	RT:12.171	12.171	40616	0.09	1.10
5	RT:12.398	12.398	185632	0.41	1.12
Total			45675098	100.00	



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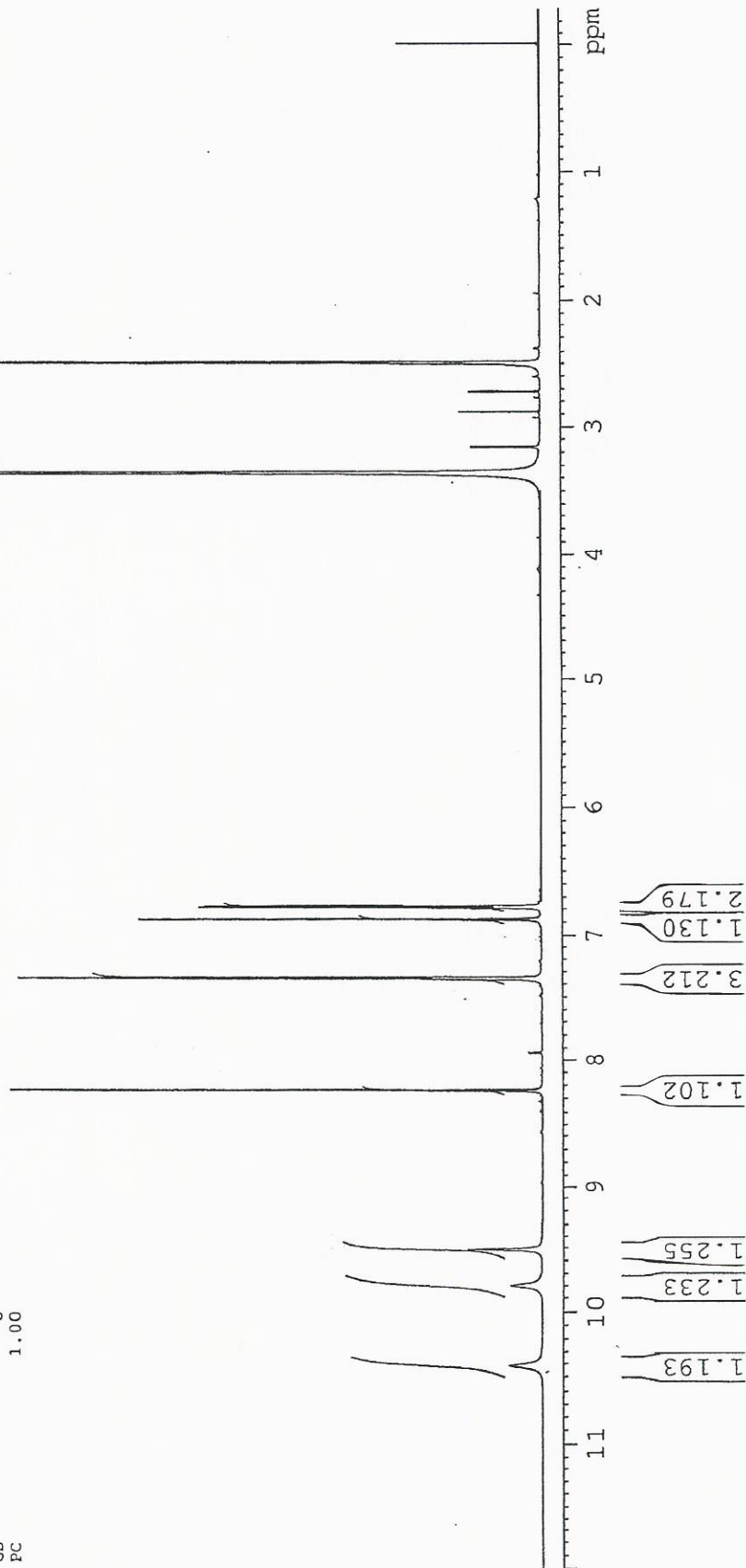
Catalog No.: T-116  
Product name: 6,7,4'-Trihydroxyisoflavone  
Lot No.: 0310159



SOLVENT DMSO  
NS 32  
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

1H IN DMSO  
AVANCE-600

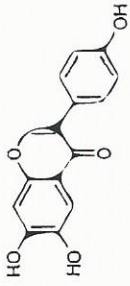
===== CHANNEL f1 =====  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3345228 MHz  
SI 32768  
SF 600.3300111 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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 Product name: 6,7,4'-Trihydroxyisoflavone  
 Lot No.: 0310159



SOLVENT DMSO  
 NS 32  
 DS 0  
 SWH 980.922 Hz  
 FIDRES 0.36819 Hz  
 AQ 1.529480 sec  
 RG 22.6  
 DW 5.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.5000000 sec  
 TD0 1

1H IN DMSO  
 AVANCE-600

===== CHANNEL f. =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.6254448 W  
 SF01 600.335228 MHz  
 SI 2768  
 SF 600.330111 MHz  
 EM  
 WDW 0  
 SSB 0.30 Hz  
 LB 0  
 GB 0  
 PC 1.00

