



# 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: D-412

Product Name: 7,4'-Dihydroxyflavone

CAS Number [2196-14-7]

Lot Number: 0501002

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>

Molecular Weight: 254.25

Melting Point: Above 290°C

Appearance: Cream color powder

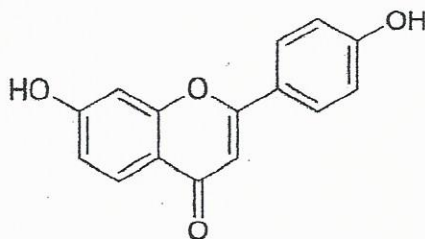
Solubility: Soluble in DMSO

TLC: Chloroform: Methanol (9:1)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC) : 97.76%





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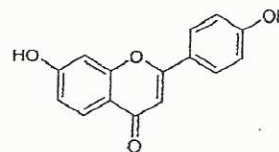
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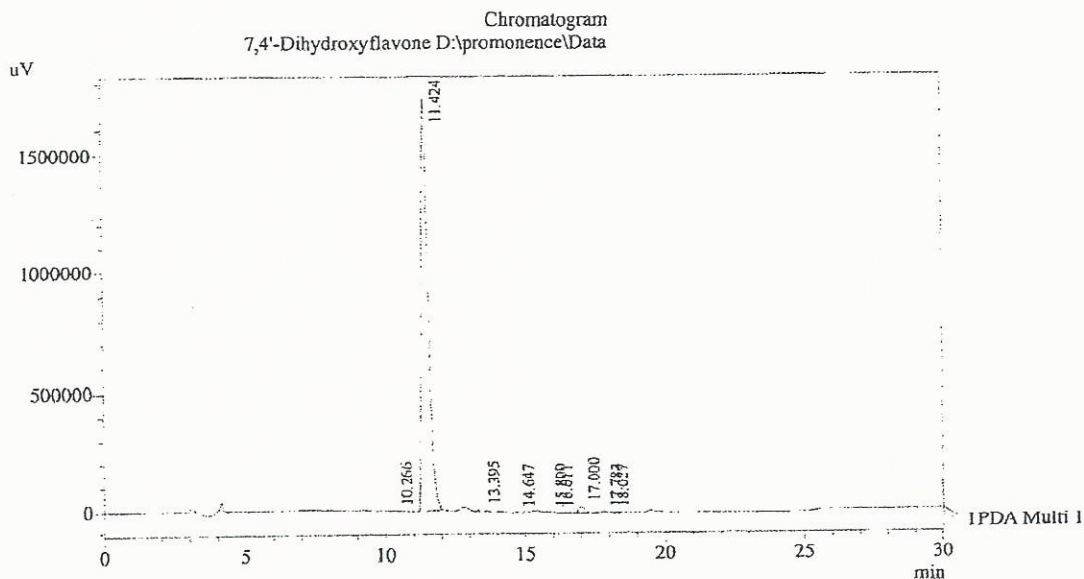
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 7,4'-Dihydroxyflavone  
Sample ID : Lot No:- 0501002  
Injection Volume : 20 uL  
Data Filename : 020413L.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-412  
Product name: 7,4'-Dihydroxyflavone  
Lot No.: 0501002



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 / 230nm 4nm

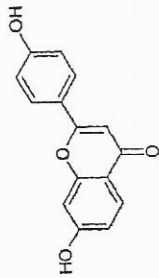
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.266	10.266	19919	0.07	0.90
2	7,4'-Dihydroxyflavone	11.424	28910235	97.76	1.00
3	RT:13.395	13.395	136348	0.46	1.17
4	RT:14.647	14.647	10367	0.04	1.28
5	RT:15.800	15.800	5121	0.02	1.38
6	RT:16.011	16.011	3374	0.01	1.40
7	RT:17.000	17.000	409388	1.38	1.49
8	RT:17.783	17.783	65012	0.22	1.56
9	RT:18.027	18.027	11580	0.04	1.58
Total			29571342	100.00	



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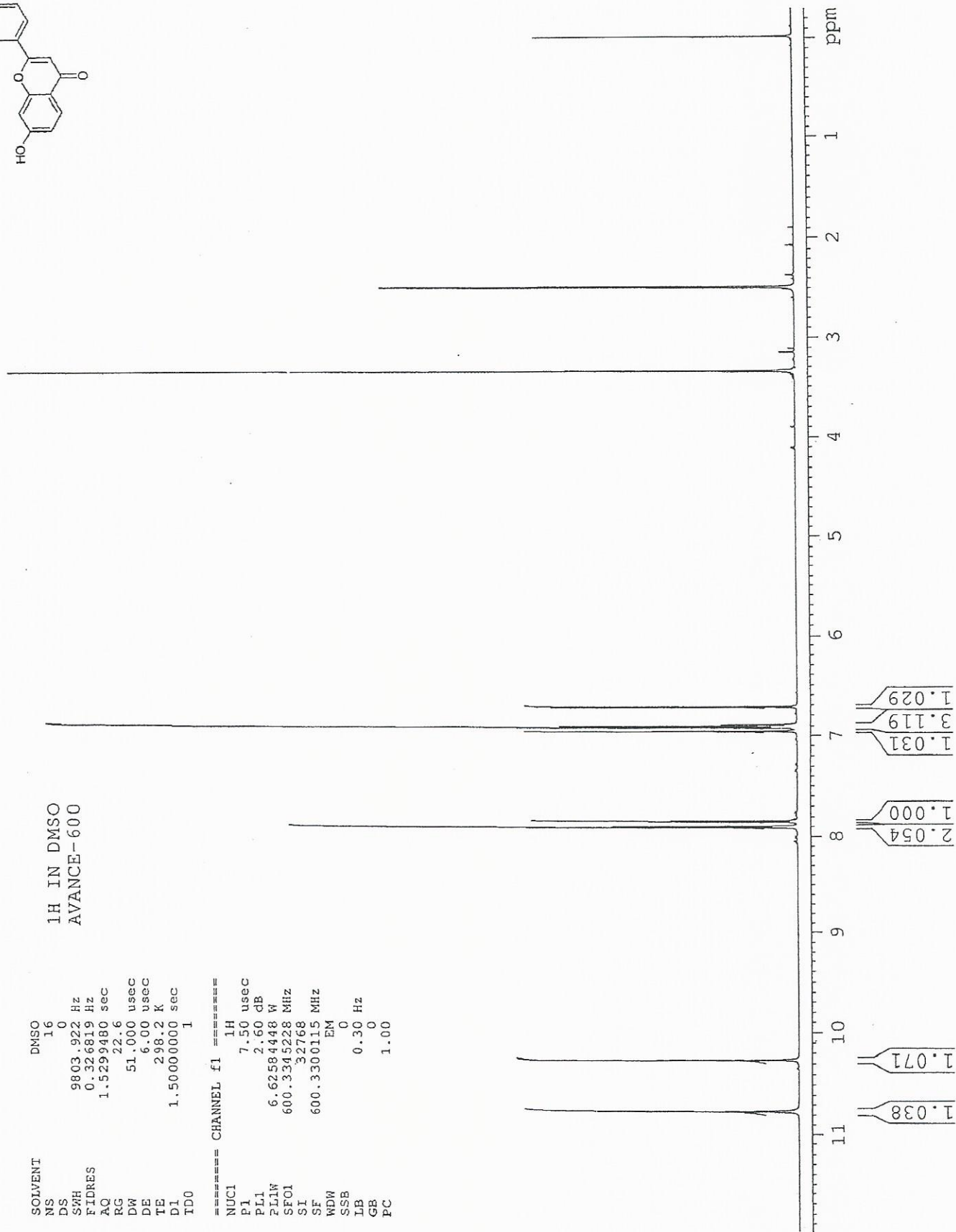
Catalog No.: D-412  
 Product name: 7,4'-Dihydroxyflavone  
 Lot No.: 0501002



1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 16  
 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

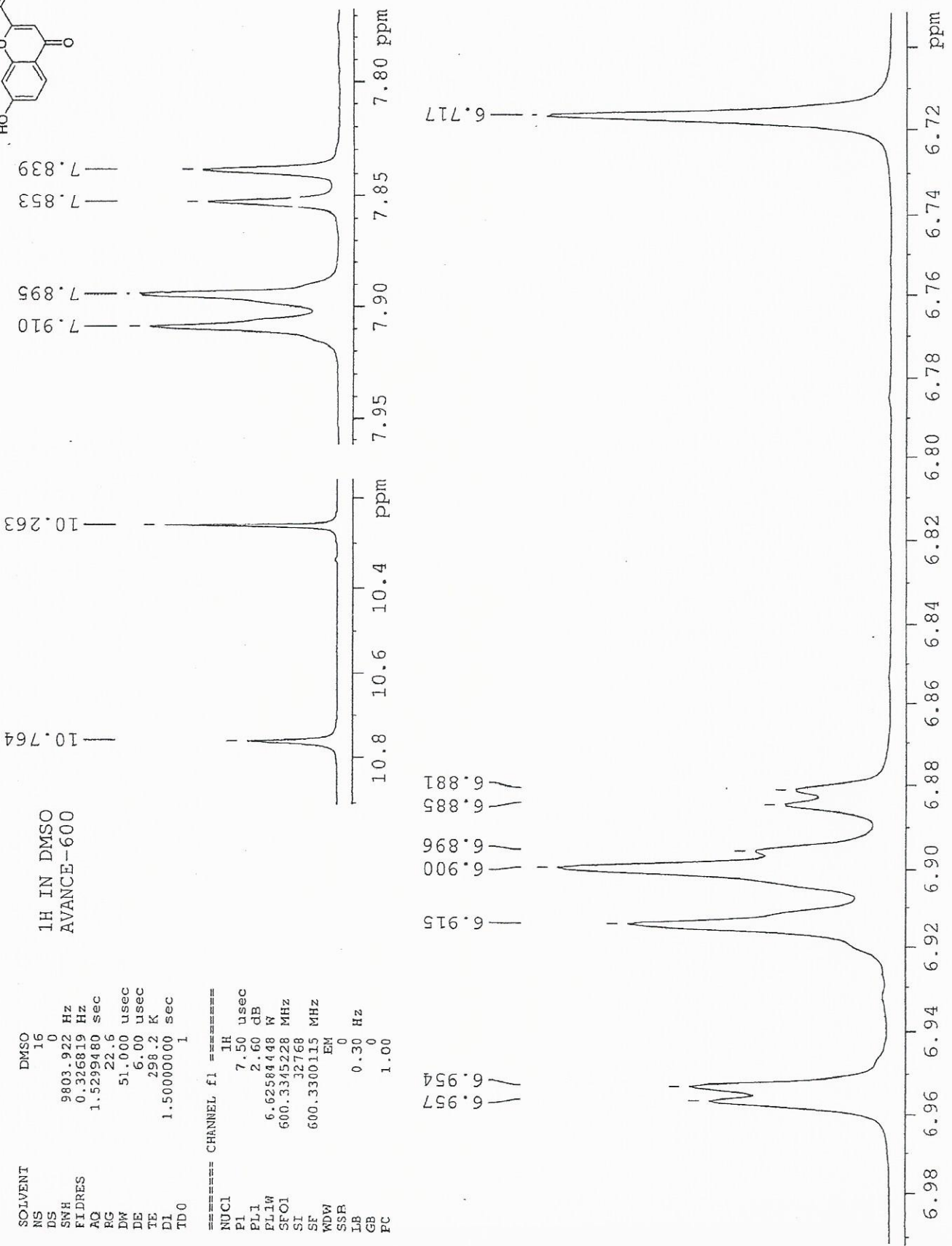
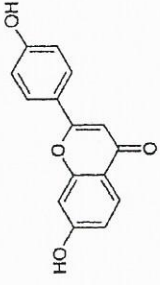
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 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 32768  
 SF 600.3300115 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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 Lot No.: 0501002



1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
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 FIDRES 0.326819 Hz  
 AQ 1.5239480 sec  
 RG 22.5  
 DW 51.000 usec  
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 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

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