



# 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.: 22-206

Product: 3,4'-DIHYDROXYFLAVONE

Cas Number: [14919-49-4]

Lot Number: 98137

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

Molecular Weight: 254.24

Melting Point 280-282°C

Appearance: Light yellow powder

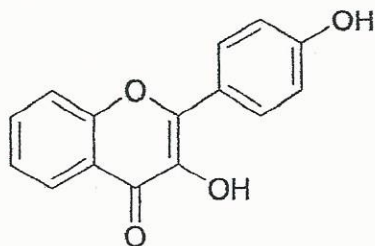
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC): 98.83%





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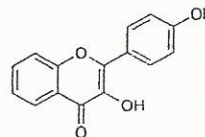
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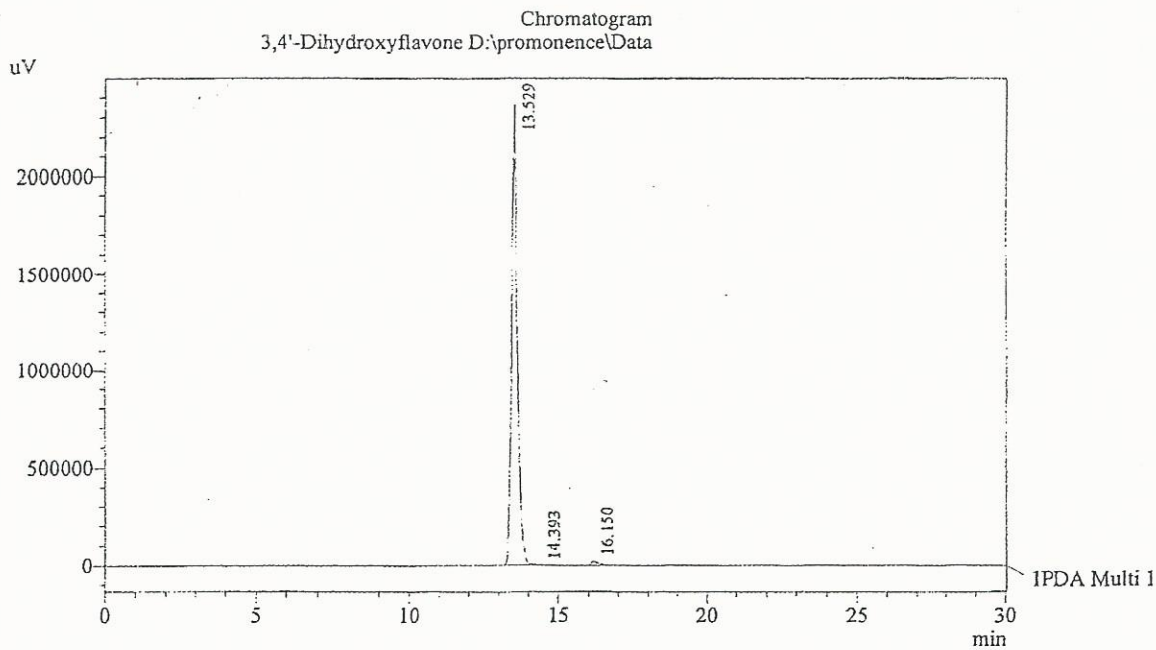
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,4'-Dihydroxyflavone  
Sample ID : Lot No- 98137  
Injection Volume : 20 uL  
Data Filename : 010213C.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-206  
Product name: 3,4'-Dihydroxyflavone  
Lot No.: 98137



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



PeakTable

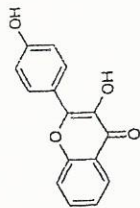
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	3,4'-Dihydroxyflavone	13.529	29473474	98.83	1.00
2	RT:14.393	14.393	14028	0.05	1.06
3	RT:16.150	16.150	335109	1.12	1.19
Total			29822612	100.00	



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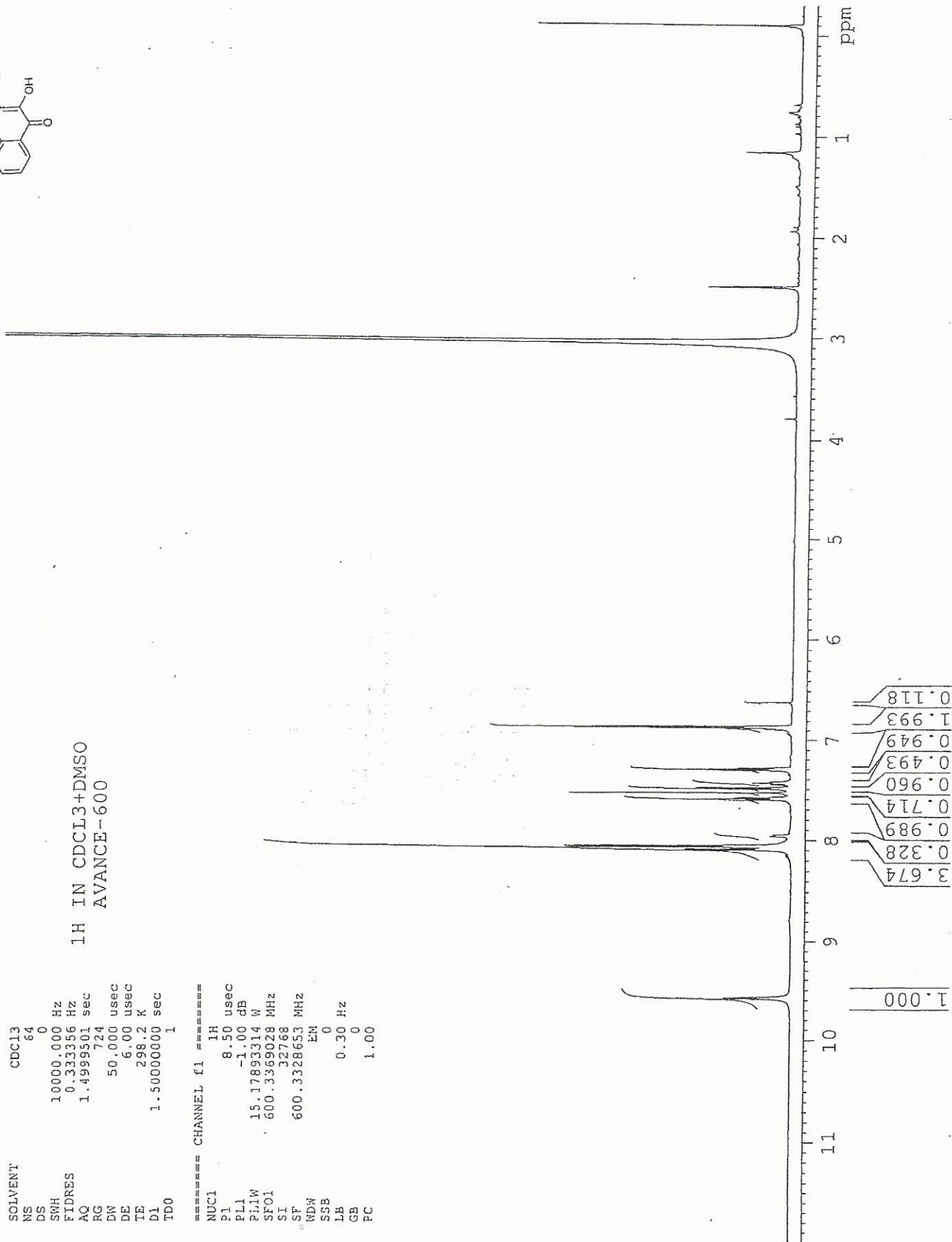
Catalog No.: 22-206  
 Product name: 3,4'-Dihydroxyflavone  
 Lot No.: 98137



SOLVENT CDC13  
 NS 64  
 DS 0  
 SWH 10000.000 Hz  
 FIDRES 0.333356 Hz  
 AQ 1.4999501 sec  
 RG 724  
 DN 50.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TDO 1

1H IN CDCL3+DMSO  
 AVANCE-600

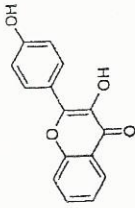
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 P1 8.50 usec  
 PL1 -1.00 dB  
 PL1W 15.17893314 W  
 SF01 600.3369028 MHz  
 SI 32768  
 SF 600.3328653 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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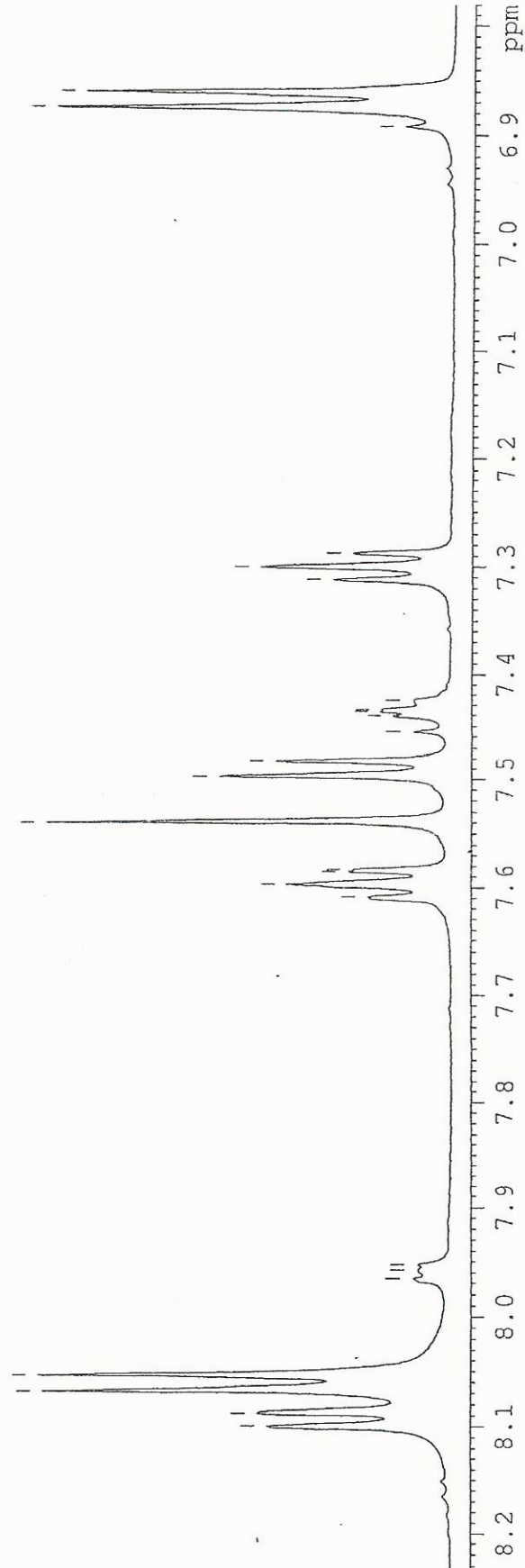
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FIDRES 0.333355 Hz  
AQ 1.4999501 sec  
RG 724  
DW 50.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.5000000 sec  
TD0 1

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NUC1 1H  
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PI1 -1.00 dB  
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SI 32768  
SF 600.3328653 MHz  
MDW EM  
SSS 0  
LB 0.30 Hz  
GB 0  
PC 1.00

1H IN CDCL3+DMSO  
AVANCE-600

8.098  
8.086  
8.075  
8.050  
7.965  
7.957  
7.952

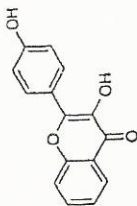
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7.584  
7.582  
7.537  
7.495  
7.481  
7.455  
7.440  
7.436  
7.433  
7.425  
7.311  
7.299  
7.287





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AVANCE-600

