



# 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-407

Product: 2',4'-DIHYDROXYFLAVONE

CAS Number: [170310-00-6]

Lot Number: 0008186

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

Molecular Weight: 254.25

Melting Point: >280°C

Appearance: Brownish yellow fluffy powder

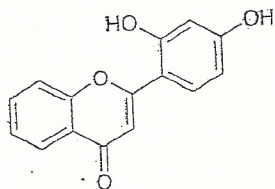
TLC: Chloroform:methanol (9:1)

Solubility: DMSO

NMR Spectrum: Enclosed

Purity:(HPLC) 98.49%

Storage: Cool dry place





# 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)

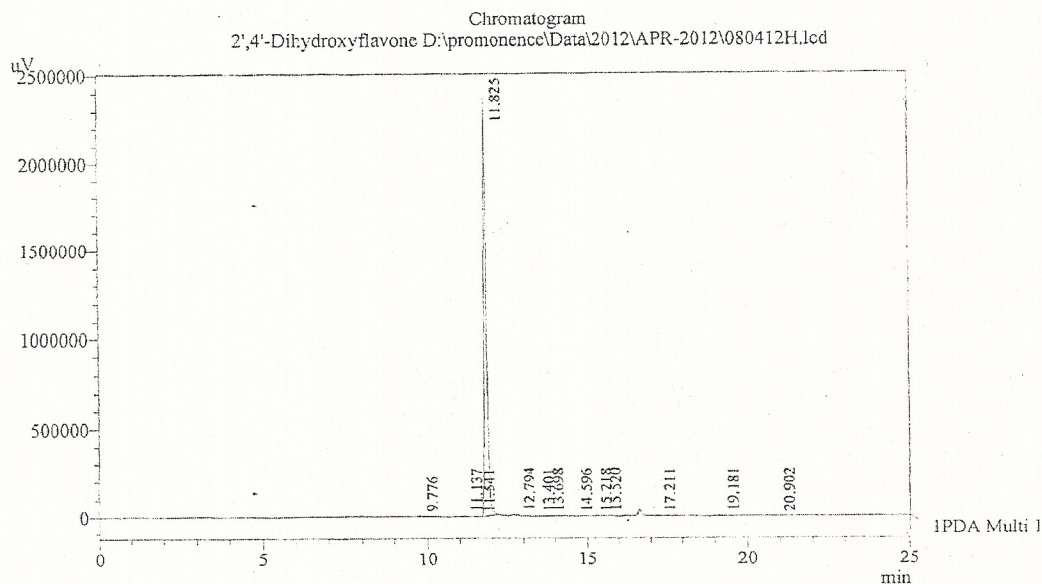
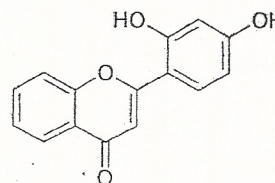
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 2',4'-Dihydroxyflavone  
Sample ID : Lot No:-0008186  
Injection Volume : 20 uL  
Data Filename : 080412H.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: D-407  
Product name: 2',4'-Dihydroxyflavone  
Lot No.: 0008186

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



PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.776	9.776	60083	0.46	0.83
2	RT:11.137	11.137	26767	0.20	0.94
3	RT:11.541	11.541	8195	0.06	0.98
4	RT:11.825	11.825	12883723	98.49	1.00
5	RT:12.794	12.794	11576	0.09	1.08
6	RT:13.401	13.401	3067	0.02	1.13
7	RT:13.698	13.698	19369	0.15	1.16
8	RT:14.596	14.596	3055	0.02	1.23
9	RT:15.218	15.218	3162	0.02	1.29
10	RT:15.520	15.520	19103	0.15	1.31
11	RT:17.211	17.211	7734	0.06	1.46
12	RT:19.181	19.181	26426	0.20	1.62
13	RT:20.902	20.902	8729	0.07	1.77
Total			13080988	100.00	



# INDOFINE Chemical Company, Inc.

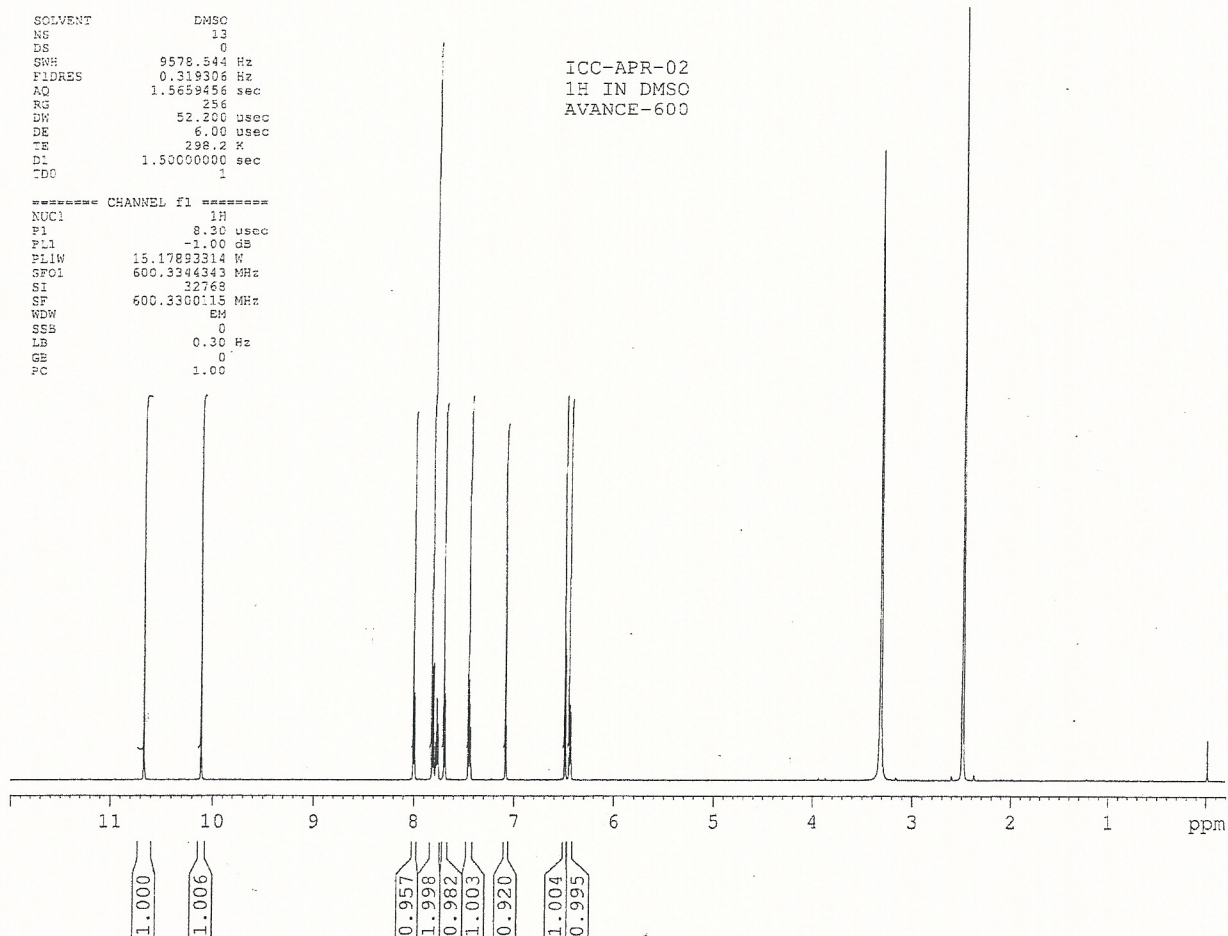
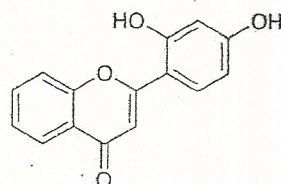
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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)

Catalog no.: D-407  
Product name: 2',4'-Dihydroxyflavone  
Lot No.: 0008186





# INDOFINE Chemical Company, Inc.

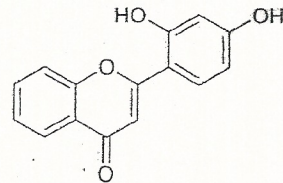
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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)

Catalog no.: D-407  
Product name: 2',4'-Dihydroxyflavone  
Lot No.: 0008186



SOLVENT DMSO  
NS 12  
DS 0  
SMH 9578.544 Hz  
FIDRES 0.312306 Hz  
AQ 1.5659456 sec  
RG 256  
DK 52.200 usec  
DE 6.00 usec  
TE 298.2 K  
DI 1.5000000 sec  
TDC 1

ICC-APR-02  
1H IN DMSO  
AVANCE-600

\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3344343 MHz  
SI 32768  
SF 600.3300115 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

