



# 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-414

Product: 3',4'-DIHYDROXY- $\beta$ -NAPTHOFLAVONE

Lot Number: 0012280

Chemical Formula: C<sub>19</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 304.29

Melting Point 310-312°C

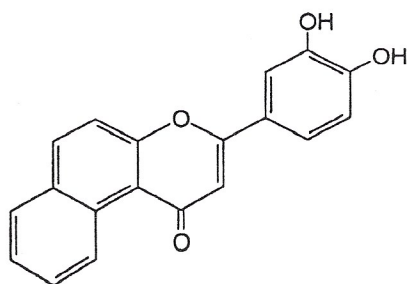
Solubility: Soluble in DMSO

Appearance: Brownish yellow powder

TLC: Chloroform:Methanol (9:1)

Storage: Cool dry place

Purity(HPLC): 95.12%





# 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)

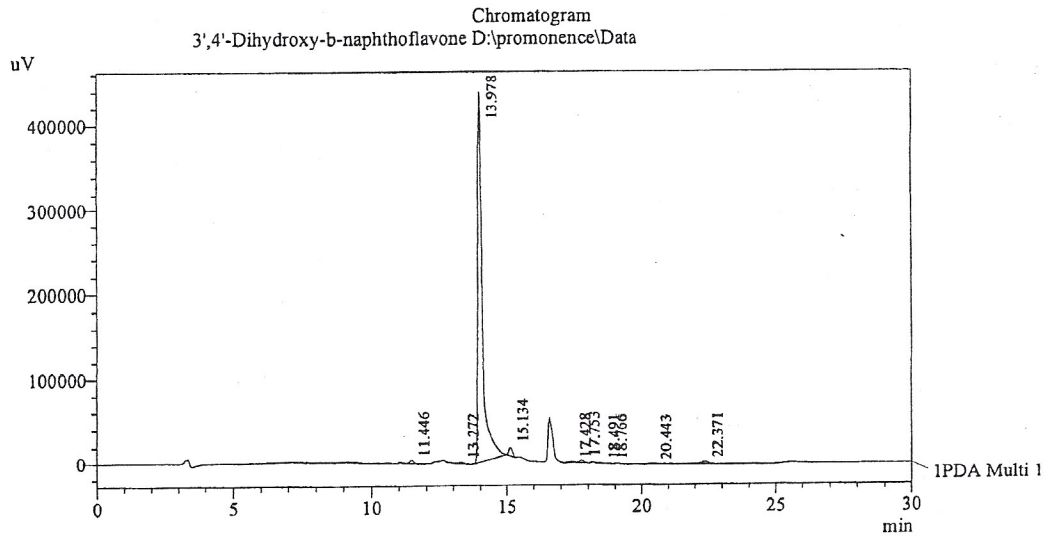
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3',4'-Dihydroxy-b-naphthoflavone  
Sample ID : Lot No:- 0012280  
Injection Volume : 20 uL  
Data Filename : 170112F.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-414  
Product name: 3',4'-Dihydroxy-β-naphthoflavone  
Lot No.: 0012280

Date Acquired : 1/17/2012 1:40:45 PM  
Data Processed : 1/17/2012 2:58:45 PM  
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  
25.0 90 10  
30.0 90 10



1 PDA Multi 1 / 240nm 4nm

PeakTable

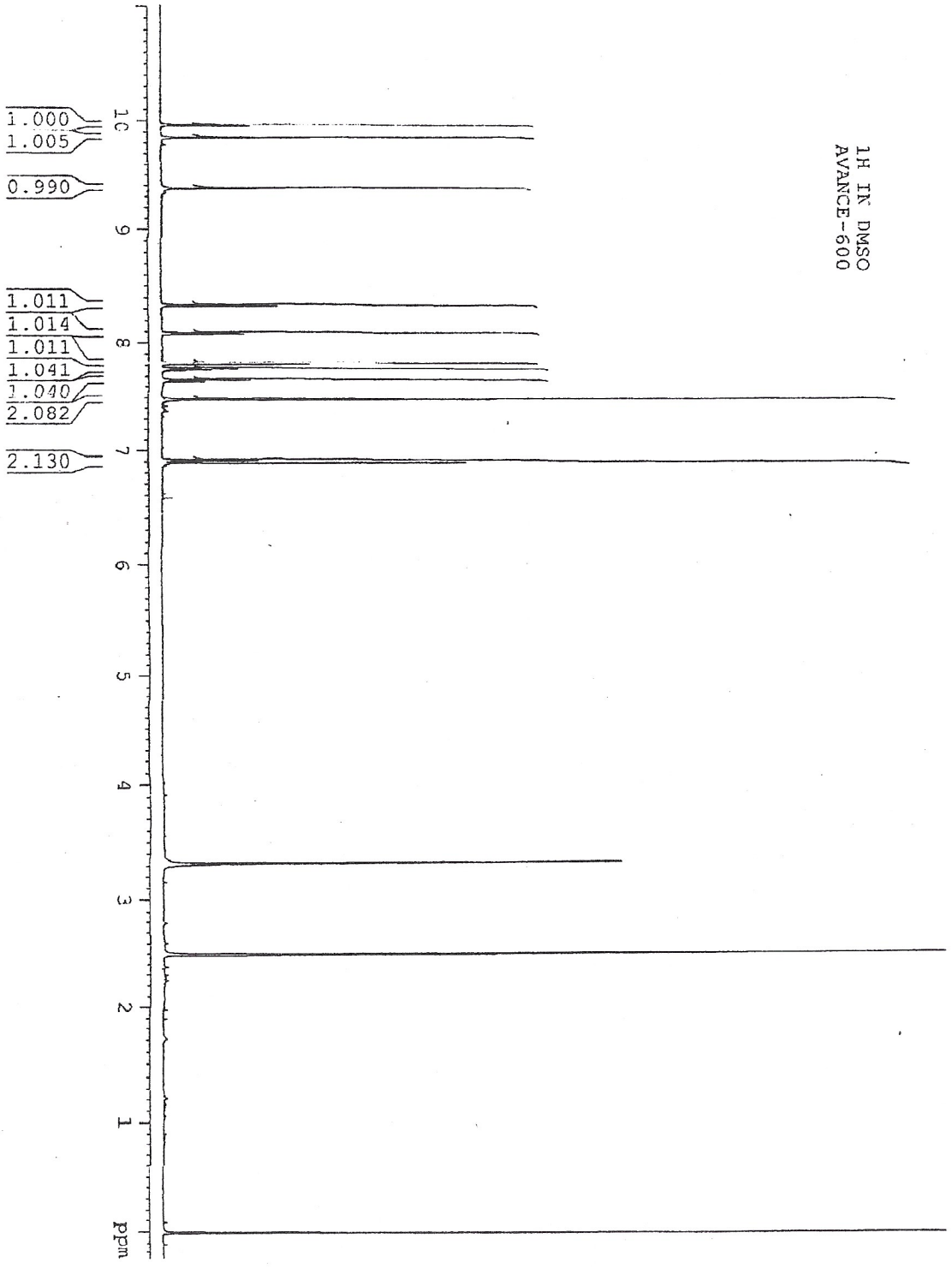
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.446	11.446	36617	0.65	0.82
2	RT:13.272	13.272	12845	0.23	0.95
3	RT:13.978	13.978	5398658	95.12	1.00
4	RT:15.134	15.134	95443	1.68	1.08
5	RT:17.428	17.428	17311	0.30	1.25
6	RT:17.753	17.753	36075	0.64	1.27
7	RT:18.491	18.491	5824	0.10	1.32
8	RT:18.766	18.766	6511	0.11	1.34
9	RT:20.443	20.443	15427	0.27	1.46
10	RT:22.371	22.371	51102	0.90	1.60
Total			5675812	100.00	



INDOFINE Chemical Company, Inc.  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

Catalog No.: D-414  
Product name: 3',4'-Dihydroxy- $\beta$ -naphthoflavone  
Lot No.: 0012280

1H IN DMSO  
AVANCE-600

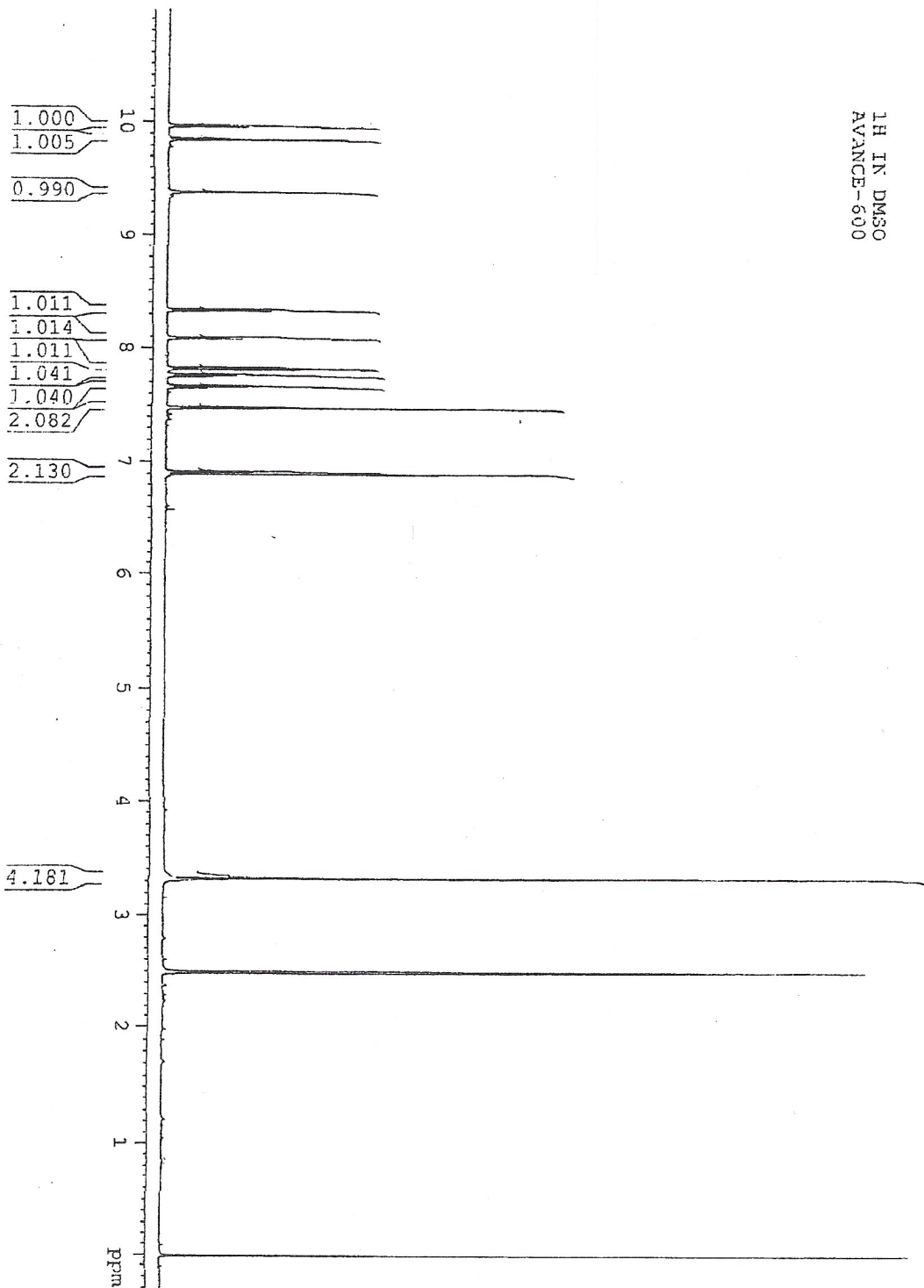




INDOFINE *Chemical Company, Inc.*  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

Catalog No.: D-414  
Product name: 3,4-Dihydroxy- $\beta$ -naphthoflavone  
Lot No.: 0012280

1H IN DMSO  
AVANCE-600





INDOFINE Chemical Company, Inc.  
121 STRYKER LANE  
BLDG. 30, SUITE 1  
HILLSBOROUGH, NJ 08844

Catalog No.: D-414  
Product name: 3',4'-Dihydroxy- $\beta$ -naphthoflavone  
Lot No.: 0012280

