



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

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Catalog Number: 22-331

Product: 3'-HYDROXY- α -NAPHTHOFLAVONE

Lot Number: 0102009

Chemical Formula: C₁₉H₁₂O₃

Molecular Weight: 288.29

Melting Point 257-261°C

Solubility: Soluble in DMSO

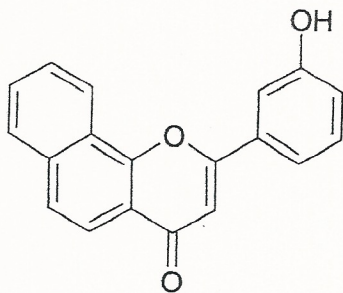
Appearance: Off white shining powder

TLC: Chloroform:methanol (9:1)

NMR Spectrum: Enclosed

Storage: Store in a cool, dry place

Purity(HPLC): 99.04%





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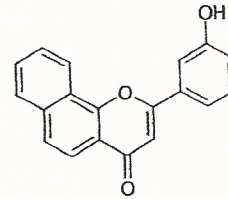
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HPLC ANALYSIS

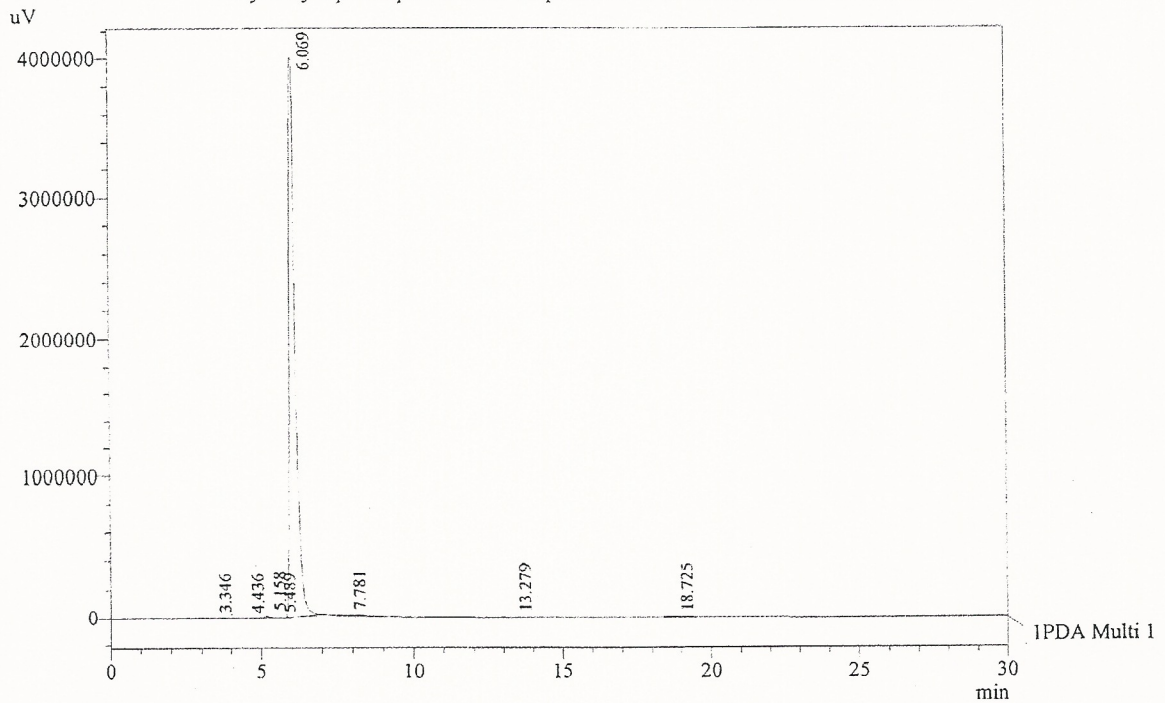
Acquired by : Sanjeev
Sample Name : 3'-Hydroxy-alpha-naphthoflavone
Sample ID : Lot No:- 0102009
Injection Volume : 20 uL
Data Filename : 030413S.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 22-331
Product name: 3'-Hydroxy- α -naphthoflavone
Lot No.: 0102009



Column : LUNA C-18(2), (250mm x4.6mm 5.0 μ)
Flow : 1.000 mL/min.
Mobile Phase : A(30% of Water) B(70% of Acetonitrile)

Chromatogram
3'-Hydroxy-alpha-naphthoflavone D:\promonence\Data\2013\APR-2013\030413S.lcd



1 PDA Multi 1 / 230nm 4nm

PeakTable

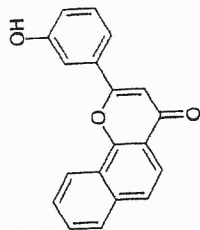
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.346	3.346	11546	0.02	0.55
2	RT:4.436	4.436	5893	0.01	0.73
3	RT:5.158	5.158	161545	0.28	0.85
4	RT:5.489	5.489	13005	0.02	0.90
5	3'-OH-alpha-naphthoflavone	6.069	57299696	99.04	1.00
6	RT:7.781	7.781	133145	0.23	1.28
7	RT:13.279	13.279	34773	0.06	2.19
8	RT:18.725	18.725	194340	0.34	3.09
Total			57853943	100.00	



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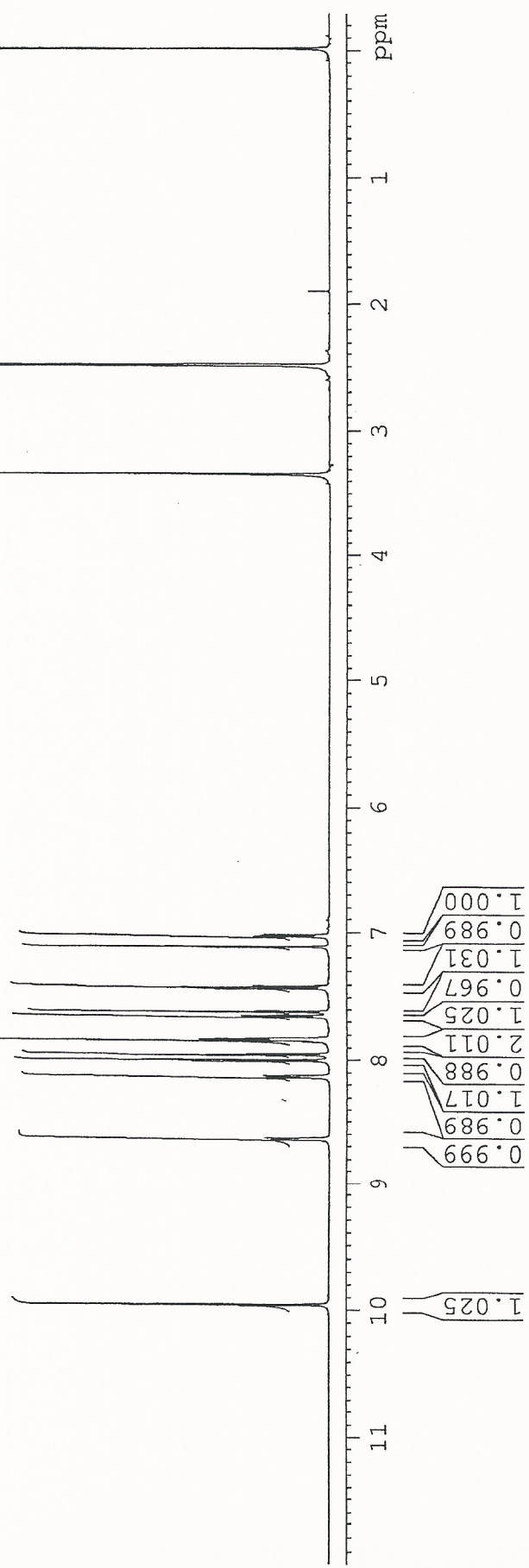
Catalog No.: 22-331
 Product name: 3'-Hydroxy- α -naphthoflavone
 Lot No.: 0102009



SOLVENT DMSO
 NS 10
 DS 0
 SMH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

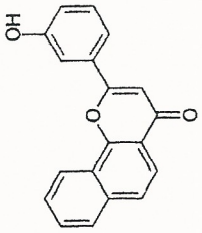
==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 P1L 2.60 dB
 P1LW 6.62584448 W
 SFO1 600.3343228 MHz
 SI 32.768
 SF 600.3300117 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GE 0
 PC 1.00





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SOLVENT DMSO
 NS 10
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 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DW 51.000 usec
 DE 6.00 usec
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 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
 SF01 600.3345228 MHz
 S1 32768
 SF 600.3300117 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

