



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: H-433

Product Name: 4'-HYDROXY- β -NAPTHOFLAVONE

Lot Number: 92051

Chemical Formula: C₁₉H₁₂O₃

Molecular Weight: 288.31

Melting Point Above 290°C

Appearance: Pale cream color powder

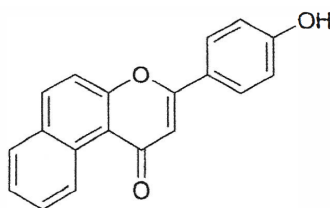
Solubility: DMSO

TLC: Chloroform : Methanol (9:1)

NUM Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 97.14%





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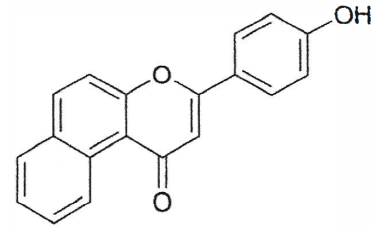
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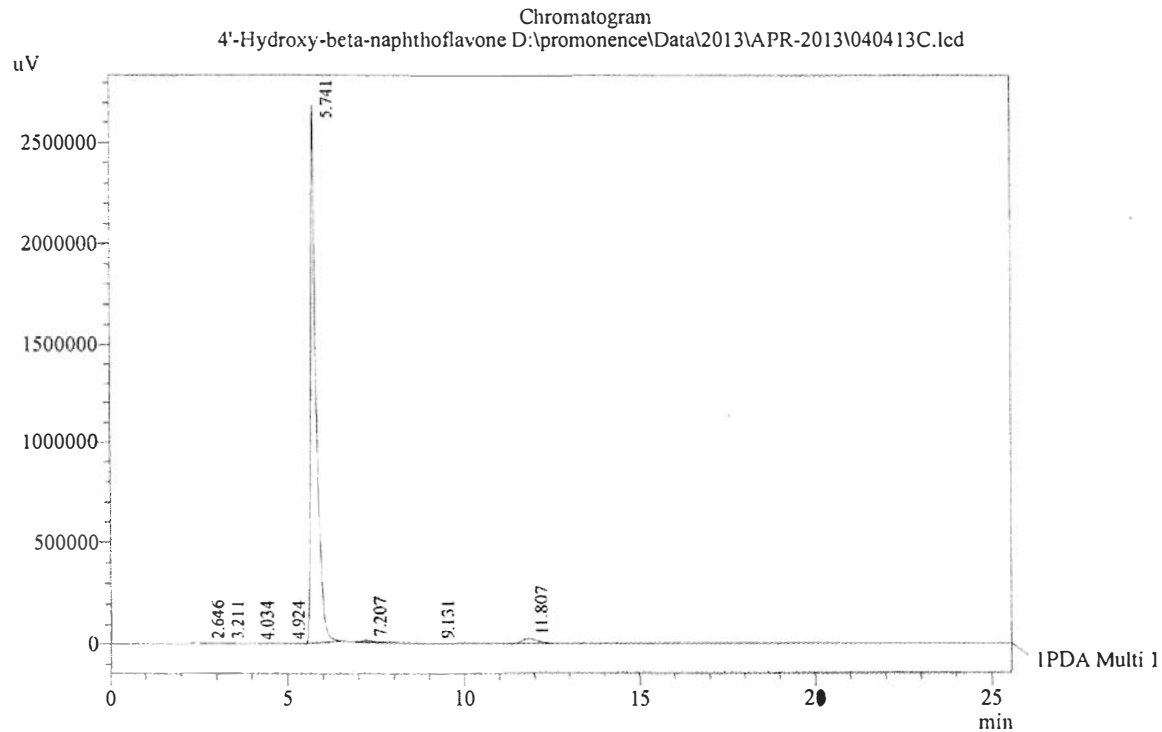
E-mail: chemical@indofinechemical.com

HPLC ANALYSIS



Acquired by : Sanjeev
 Sample Name : 4'-Hydroxy-beta-naphthoflavone
 Sample ID : Lot No:-92051
 Injection Volume : 20 uL
 Data Filename : 040413C.lcd
 Method F : Linear Isocratic.M.lcm
 Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(30% of Water) B(70% of Acetonitrile)
 Diluent : Acetonitrile:Methanol(1:1)

Catalog No.: H-433
 Product name: 4'-Hydroxy-β-Naphthoflavone
 Lot No.: 92051



1 PDA Multi 1 / 230nm 4nm

PeakTable

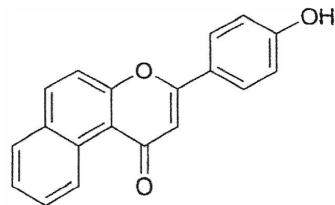
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.646	2.646	13375	0.04	0.46
2	RT:3.211	3.211	18711	0.06	0.56
3	RT:4.034	4.034	4212	0.01	0.70
4	RT:4.924	4.924	2802	0.01	0.86
5	4'-OH-beta-naphthoflavone	5.741	29018002	97.14	1.00
6	RT:7.207	7.207	192852	0.65	1.26
7	RT:9.131	9.131	8187	0.03	1.59
8	RT:11.807	11.807	614649	2.06	2.06
Total			29872790	100.00	



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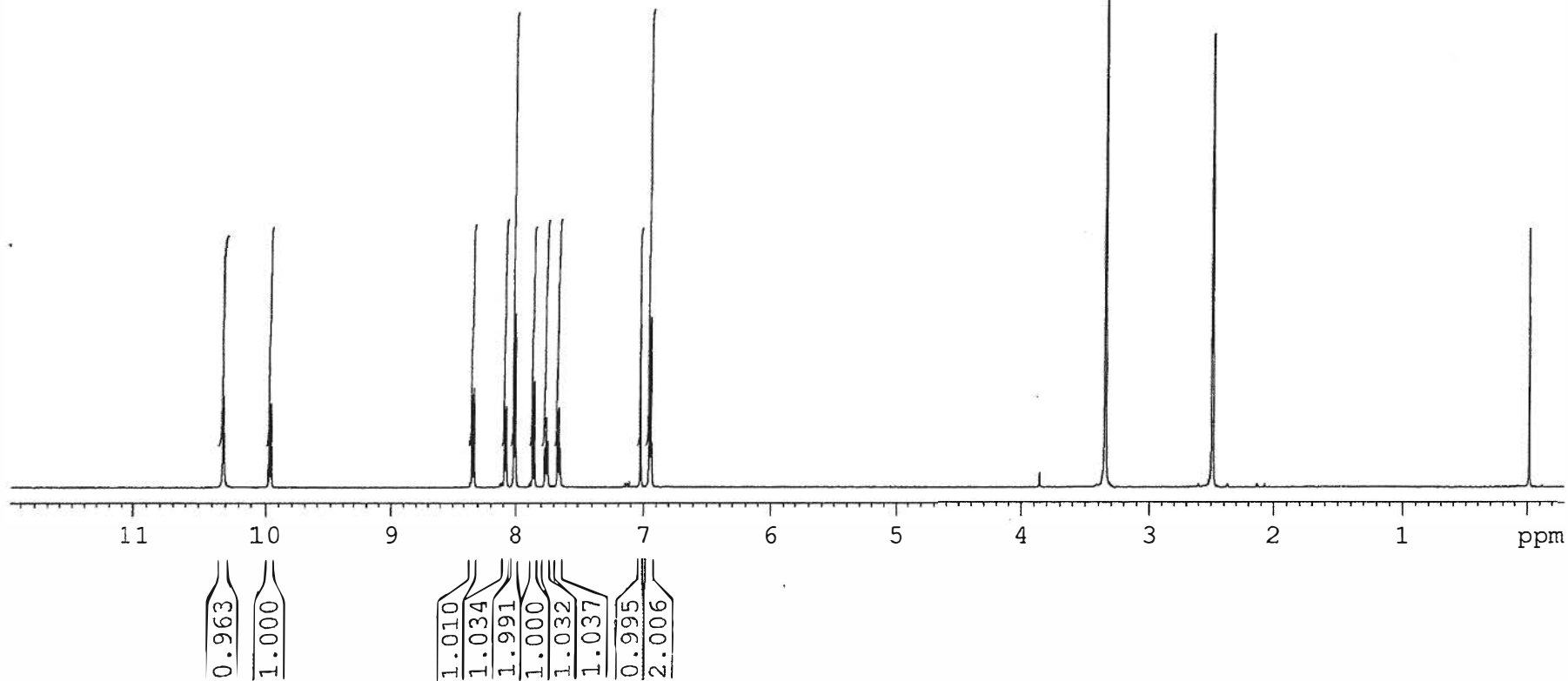


Catalog No.: H-433
Product name: 4'-Hydroxy- β -Naphthoflavone
Lot No.: 92051

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

ICC-APR-15
1H IN DMSO
AVANCE-600

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 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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