



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

Product Name: H-023

Product Name: **6-Hydroxyflavanone**

CAS Number: [4250-77-5]

Lot Number: 98033

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.26

Melting Point: 218-220°C

Appearance: Off white powder

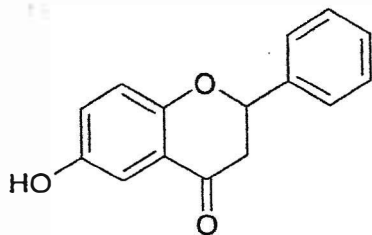
Solubility: Soluble in DMSO

TLC: Chloroform : Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity HPLC: 99.38% (HPLC)





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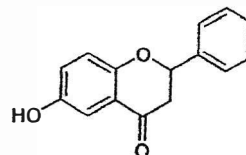
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6-Hydroxyflavanone
Sample ID : Lot No:-98033
Injection Volume : 20 uL
Data Filename : 040413E.lcd
Method Filename : Linear Isocratic.M.lcm

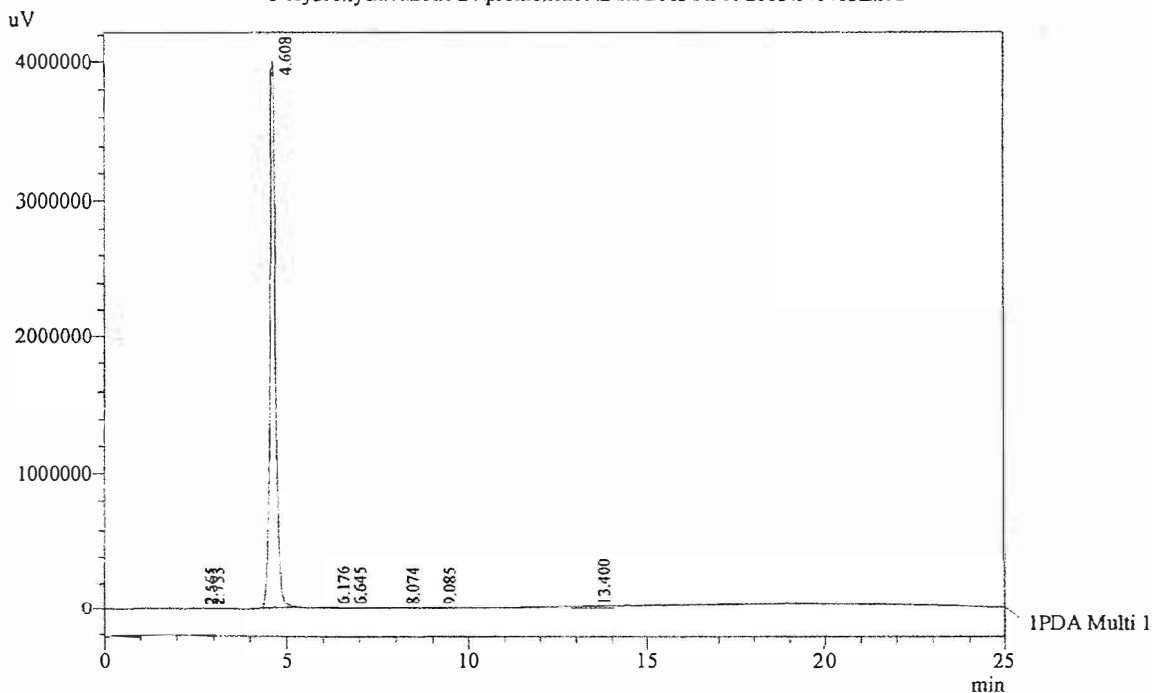
Catalog No.: H-023
Product name: 6-Hydroxyflavanone
Lot No.: 98033



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 : Methanol

Chromatogram

6-Hydroxyflavanone D:\promonence\Data\2013\APR-2013\040413E.lcd



1 PDA Multi 1 / 230nm 4nm

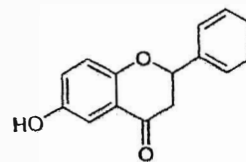
PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.565	2.565	20031	0.05	0.56
2	RT:2.753	2.753	4466	0.01	0.60
3	6-Hydroxyflavanone	4.608	43252457	99.38	1.00
4	RT:6.176	6.176	177165	0.41	1.34
5	RT:6.645	6.645	34807	0.08	1.44
6	RT:8.074	8.074	24968	0.06	1.75
7	RT:9.085	9.085	4367	0.01	1.97
8	RT:13.400	13.400	4535	0.01	2.91
Total			43522797	100.00	



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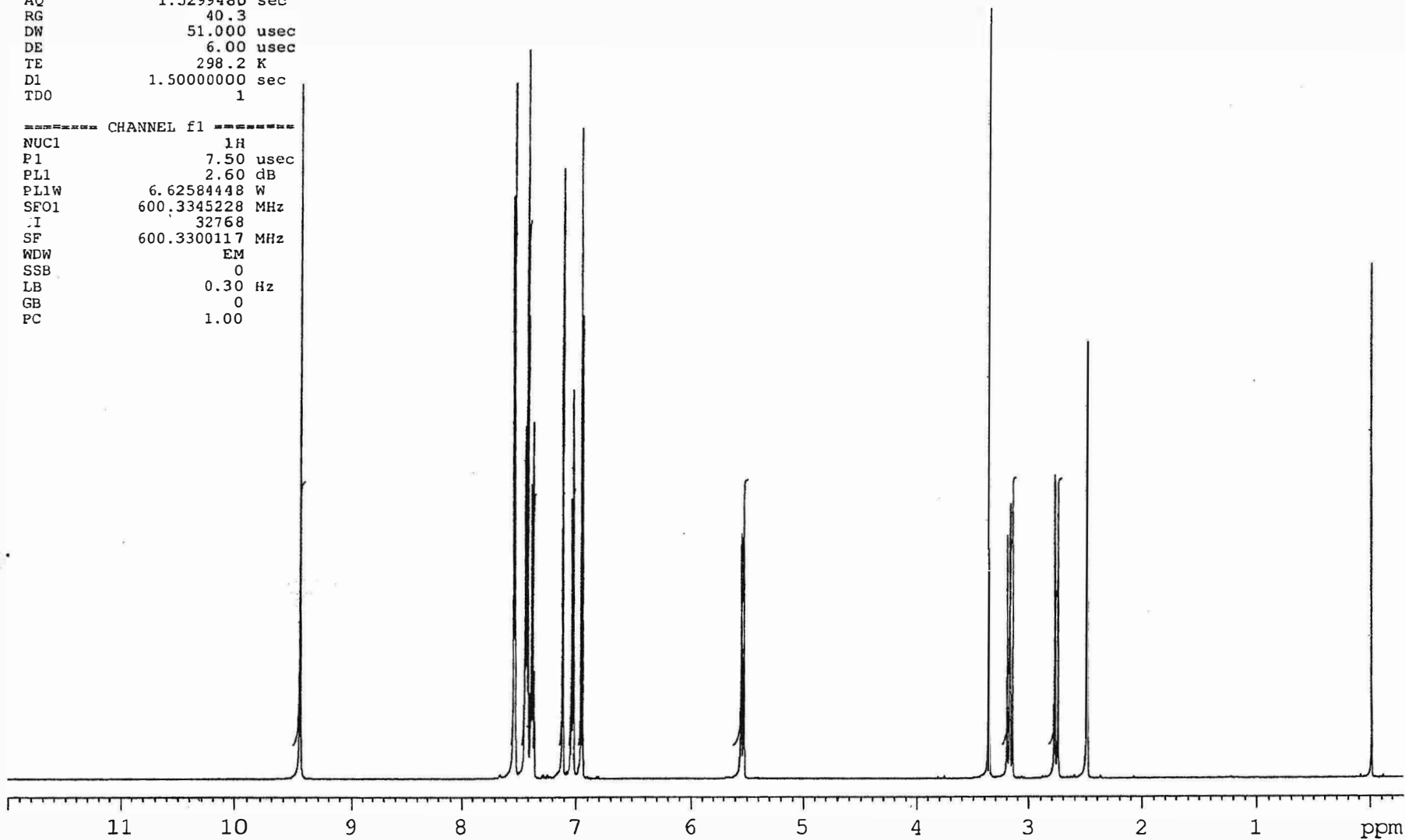


Catalog No.: H-023
Product name: 6-Hydroxyflavanone
Lot No.: 98033

SOLVENT DMSO
NS 16
DS 0
SWH 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
TDO 1

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
F1 32768
SF 600.3300117 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



1.028

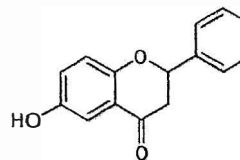
2.009
2.059
0.981
0.986
1.000
0.974

1.033

1.040
1.037



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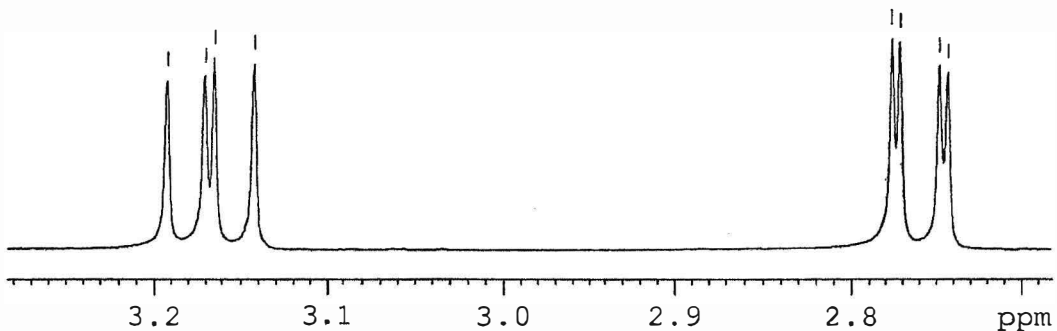
SOLVENT DMSO
 NS 16
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 40.3
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

1H IN DMSO
 AVANCE-600

3.193
 3.171
 3.165
 3.143

2.777
 2.772
 2.748
 2.744

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300117 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.527
 7.514
 7.425
 7.413
 7.400
 7.375
 7.363
 7.351

7.113
 7.108
 7.038
 7.033
 7.023
 7.018

6.955
 6.940

