



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-022

Product: **4'-HYDROXYFLAVANONE**

CAS Number: [6515-37-3]

Lot Number: 97063

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.26

Melting Point: 192-195°C

Appearance: White powder

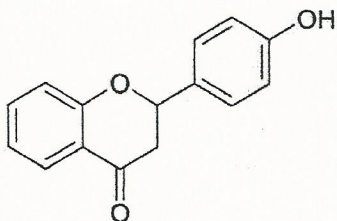
Solubility: Soluble in DMSO

TLC: Hexane:Ethyl acetate (1:1)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.88%





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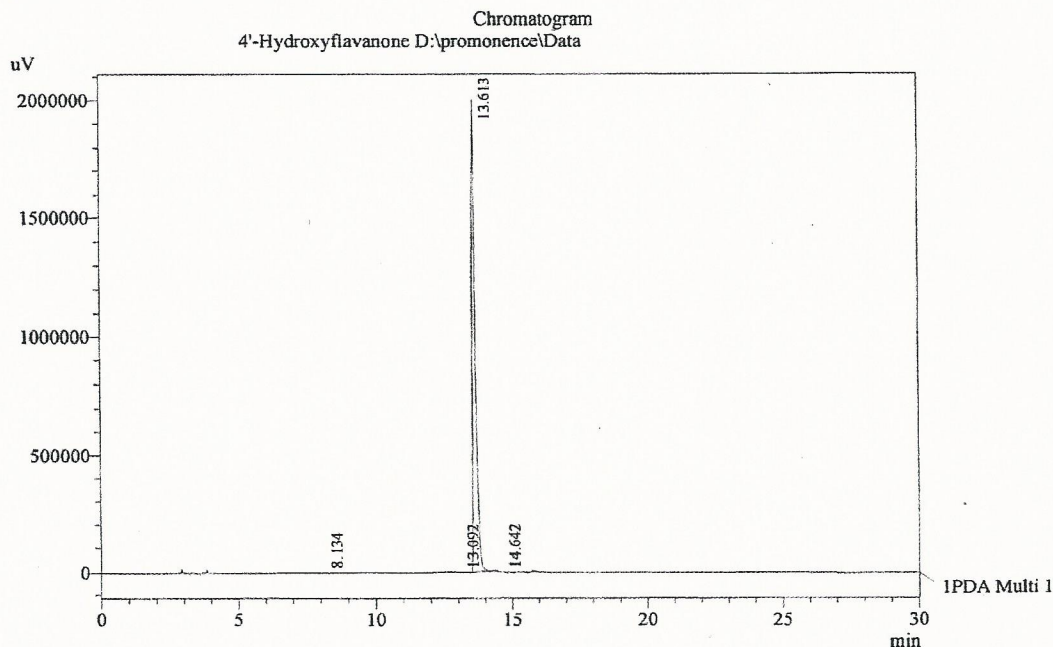
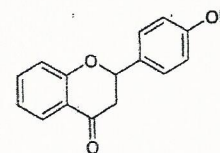
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4'-Hydroxyflavanone
Sample ID : Lot No:97063
Injection Volume : 20 uL
Data Filename : 160514D.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-022
Product Name: 4'-Hydroxyflavanone
Lot No.: 97063

Column : Phenomenex Luna-C18 (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
30.0 90 10
Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

PeakTable

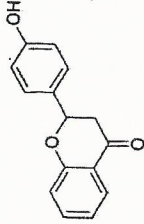
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:8.134	8.134	12921	0.08	0.60
2	RT:13.092	13.092	4407	0.03	0.96
3	4'-Hydroxyflavanone	13.613	15695741	99.88	1.00
4	RT:14.642	14.642	1228	0.01	1.08
Total			15714297	100.00	



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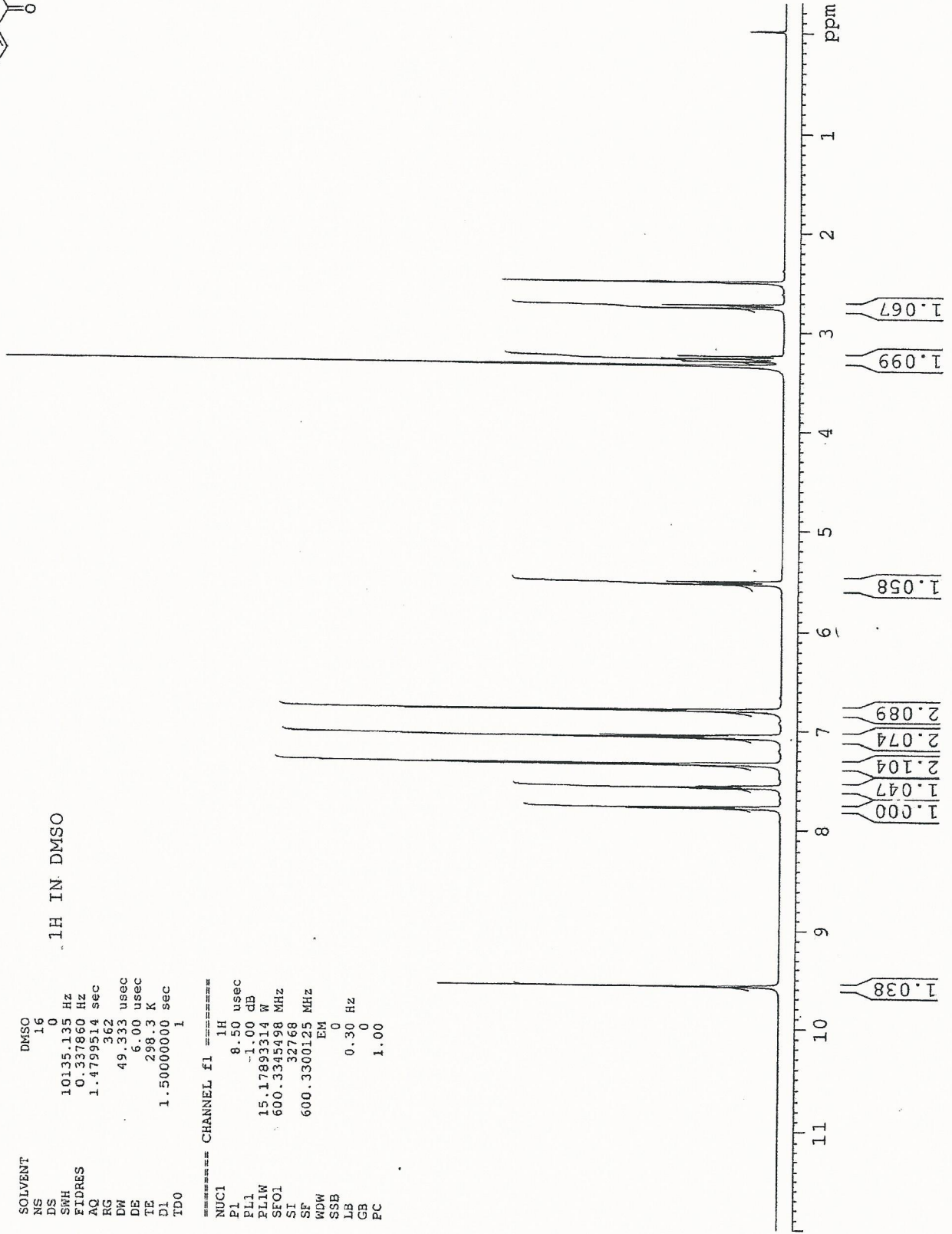
Catalog No.: H-022
 Product Name: 4'-Hydroxyflavanone
 Lot No.: 97063



1H IN DMSO

SOLVENT	DMSO
NS	16
DS	0
SWH	10135.135 Hz
FIDRES	0.337860 Hz
AQ	1.4799514 sec
RG	362
DW	49.333 usec
DE	6.00 usec
TE	298.3 K
D1	1.50000000 sec
ID0	1

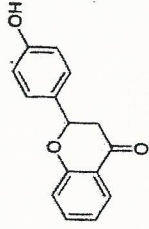
==== CHANNEL f1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.1789314 W
 SFO1 600.3345498 MHz
 SI 32768
 SF 600.3300125 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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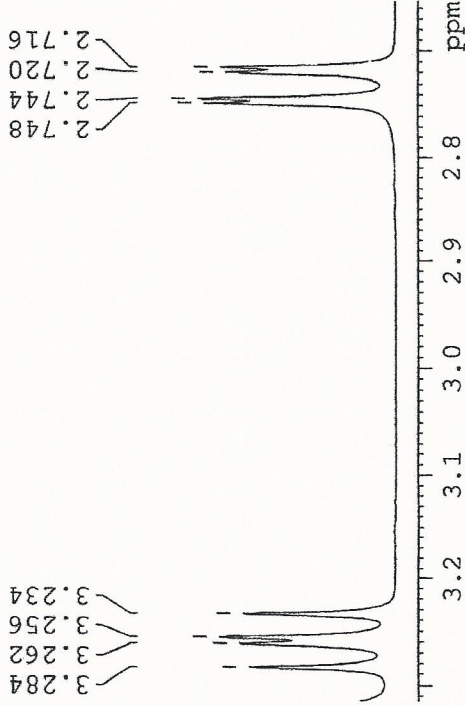
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 Product Name: 4'-Hydroxyflavanone
 Lot No.: 97063



SOLVENT DMSO
 NS 16
 DS 0
 SWH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4759514 sec
 RG 362
 DW 49.333 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.50000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 SI 32768
 SF 600.3300125 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN DMSO



2.748
 2.744
 2.720
 2.716

3.284
 3.262
 3.256
 3.234

6.797
 6.782

7.082
 7.070
 7.059
 7.045

7.345
 7.331

7.579
 7.577
 7.565
 7.553
 7.551

7.784
 7.781
 7.771
 7.768

