



# 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

Catalog Number: M-402

Product Name: 4'-HYDROXY-6-METHOXYFLAVONE

CAS Number: [4002-52-2]

Lot Number: 000444

Chemical Formula: C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 268.27

Melting Point: 225-229°C

Appearance: Yellow shining powder

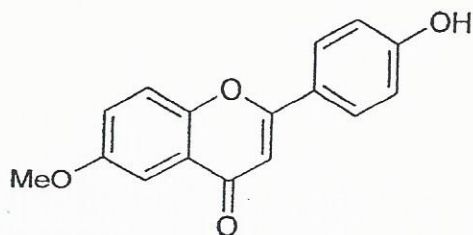
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 98.14%





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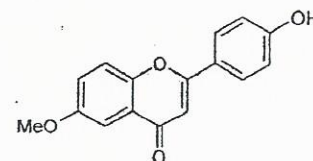
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## HPLC ANALYSIS

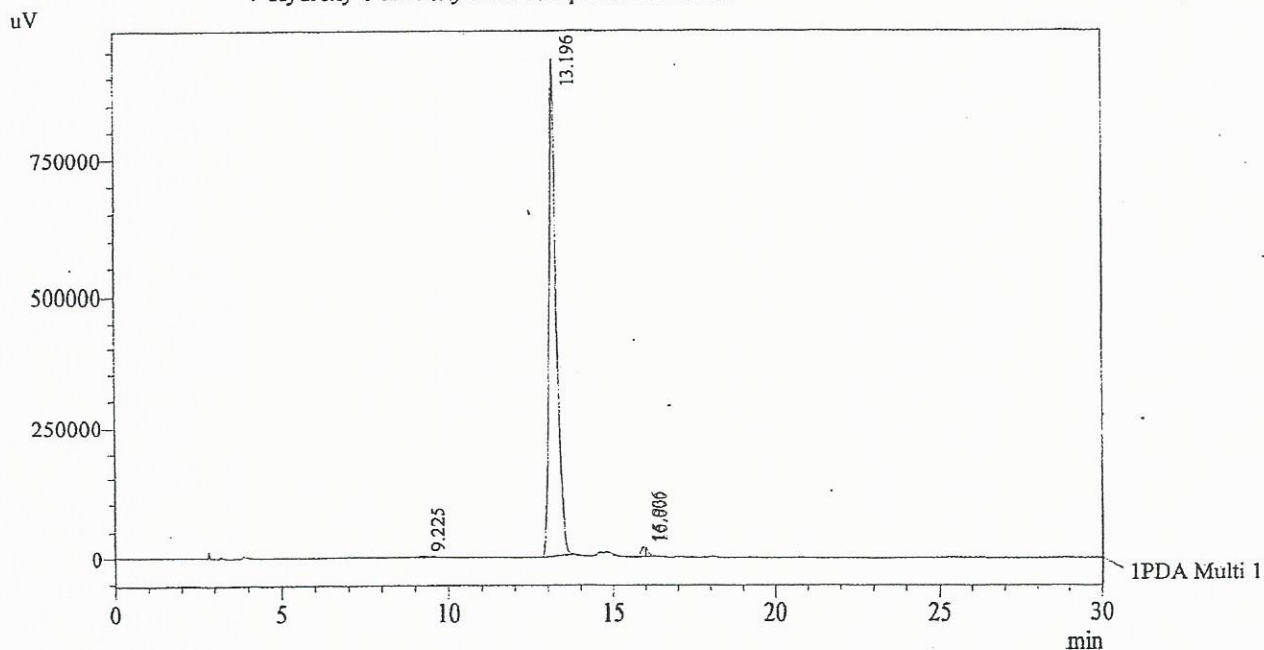
Acquired by : Sanjeev  
 Sample Name : 4'-Hydroxy-6-methoxyflavone  
 Sample ID : Lot No: 000444  
 Injection Volume : 20 uL  
 Data Filename : 300813K.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: M-402  
 Product Name: 4'-Hydroxy-6-methoxyflavone  
 Lot No.: 000444



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(0.1% OPA 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 : Acetonitrile

Chromatogram  
 4'-Hydroxy-6-methoxyflavone D:\promonence\Data



1 PDA Multi I / 254nm 4nm

PeakTable

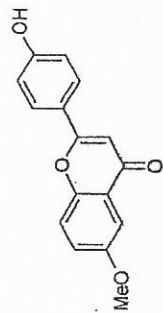
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.225	9.225	44311	0.31	0.70
2	4'-OH-6-OMe flavone	13.196	13887609	98.14	1.00
3	RT:15.936	15.936	140555	0.99	1.21
4		16.000	78493	0.55	1.21
Total			14150968	100.00	



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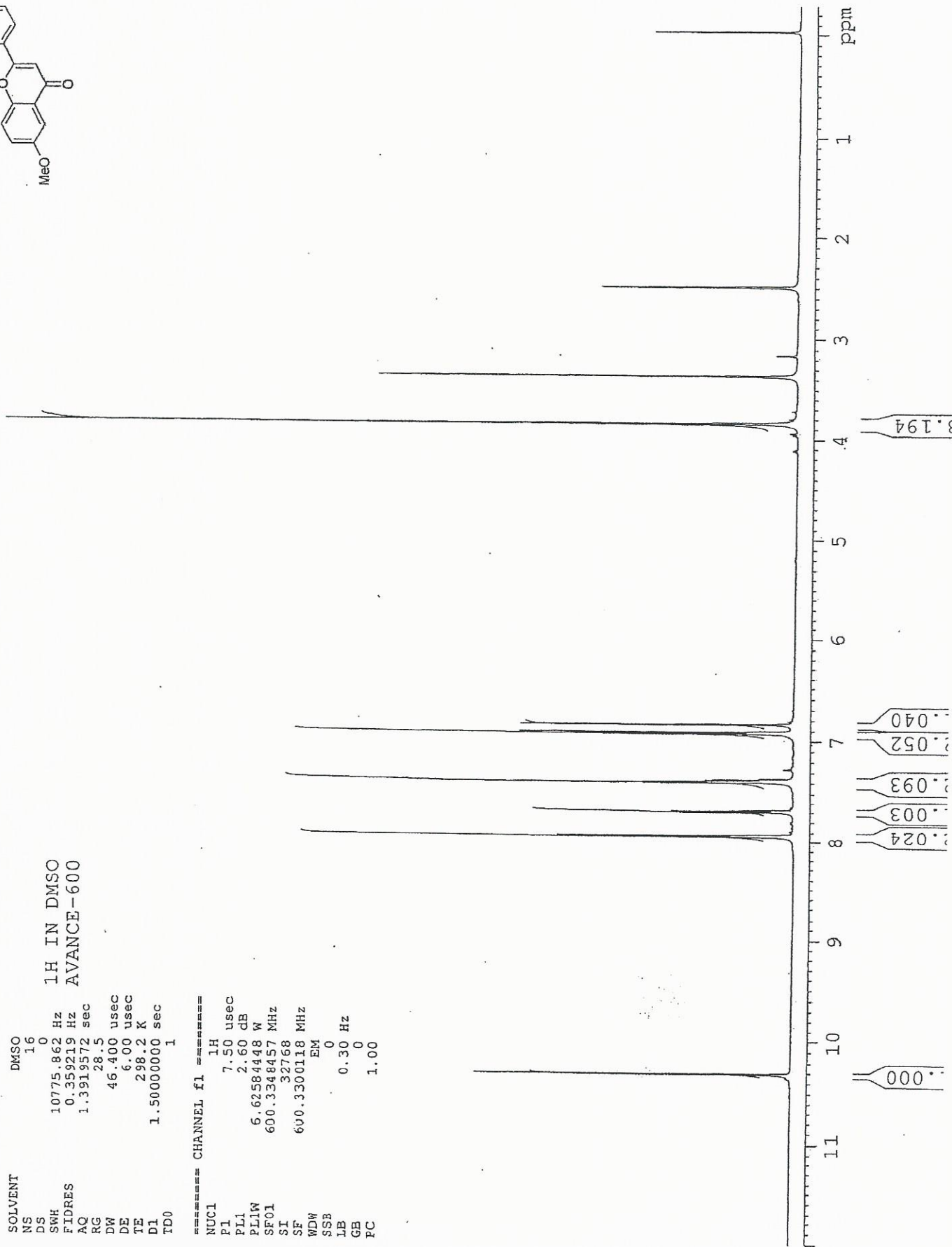
Catalog No.: M-402  
 Product Name: 4'-Hydroxy-6-methoxyflavone  
 Lot No.: 000444



SOLVENT DMSO  
 NS 16  
 DS 0  
 SWH 10775.862 Hz  
 FIDRES 0.359219 Hz  
 AQ 1.3919572 sec  
 RG 28.5  
 DW 46.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

1H IN DMSO  
 AVANCE-600

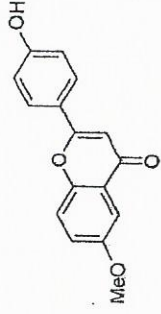
==== CHANNEL f1 =====  
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 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3348457 MHz  
 SI 32768  
 SF 600.3300118 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 HZ  
 GB 0  
 PC 1.00





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