



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

Cat No.: M-022

Product: **6-METHYLFLAVONE**

CAS Number: [29976-75-8]

Lot Number: 1212280

Chemical Formula: C₁₆H₁₂O₂

Molecular Weight: 236.27

Melting Point: 119-122°C

Appearance: White fluffy powder

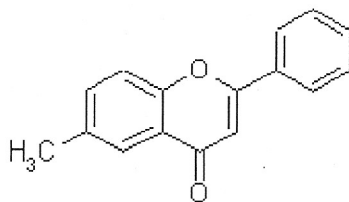
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity(HPLC): 99.90%



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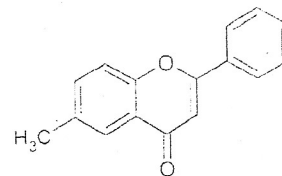
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HPLC ANALYSIS

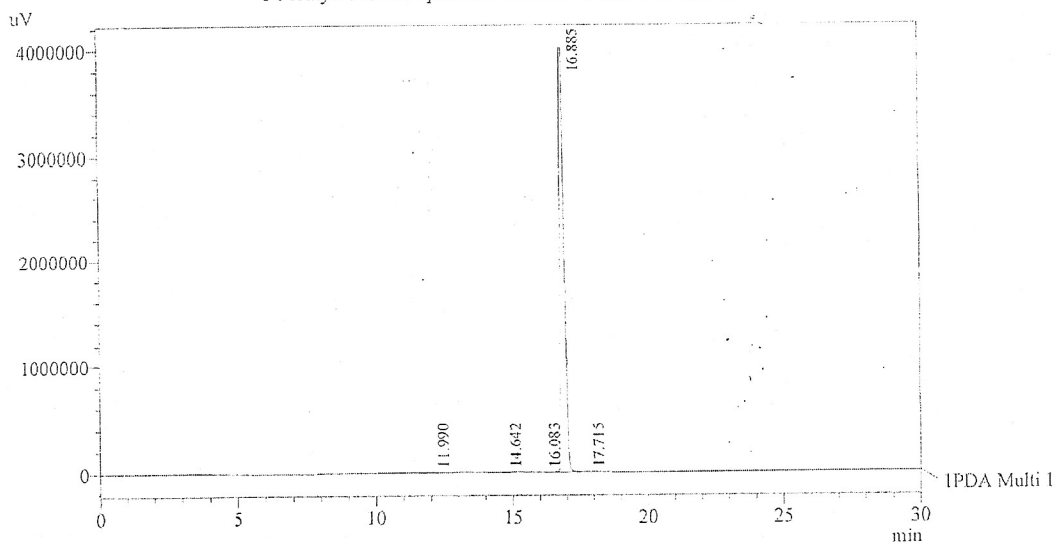
Acquired by : Sanjeev
Sample Name : 6-Methylflavone
Sample ID : 15 gms
Injection Volume : 20 uL
Data Filename : 300912K.lcd
Method Filename : Linear Gradient.M.lcm

Catalog no.: M-022
Product name: 6-Methylflavone
Lot No.: 1212280

Column : LUNA C-18(2), (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



Chromatogram
6-Methylflavone D:\promonenc\Data\2012\SEP-2012\300912K.lcd



1 PDA Multi 1 / 254nm 4nm

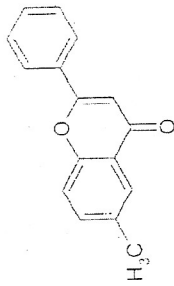
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.990	11.990	14637	0.03	0.71
2	RT:14.642	14.642	16842	0.04	0.87
3	RT:16.083	16.083	4434	0.01	0.95
4	6-Methylflavone	16.885	44250036	99.90	1.00
5	RT:17.715	17.715	8060	0.02	1.05
Total			44294010	100.00	



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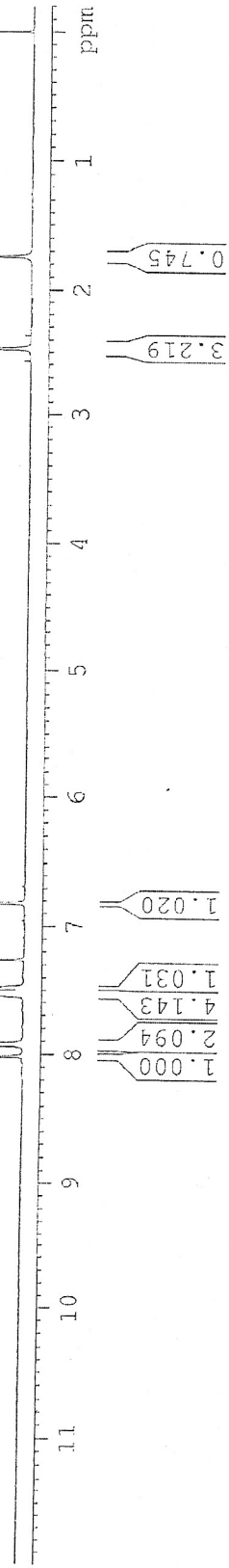
Catalog no.: M-022
 Product name: 6-Methylflavone
 Lot No.: 1212280

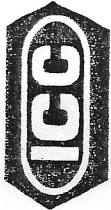


KM-005
 1H IN CDCL3
 AVANCE-600

SOLVENT CDCL3
 NS 8
 DS 0
 SWH 11029.412 Hz
 FIDRES 0.367672 Hz
 AQ 1.3599594 sec
 RG 20.2
 LW 45.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

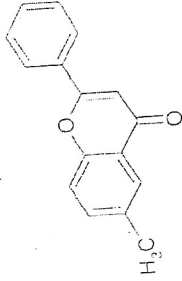
***** CHANNEL F1 *****
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1LW 6.62584448 W
 SF01 600.3338644 MHz
 SI 32768
 SF 600.2300121 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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 SFO1 600.3338644 MHz
 SF 32768
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 MWDW EM
 SSB 0
 LR 0.30 Hz
 GB 0
 EC 1.00

