



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: M-022

Product Name: **6-METHYLFLAVONE**

CAS Number: [299976-75-8]

Lot Number: 6MLF389

Chemical Formula: C₁₆H₁₂O₂

Molecular Weight: 236.27

Melting Point: 119-121°C

Appearance: White fluffy powder

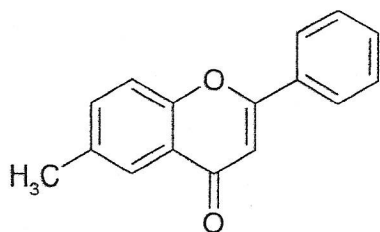
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity(HPLC): 99.90%



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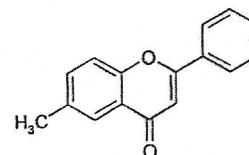
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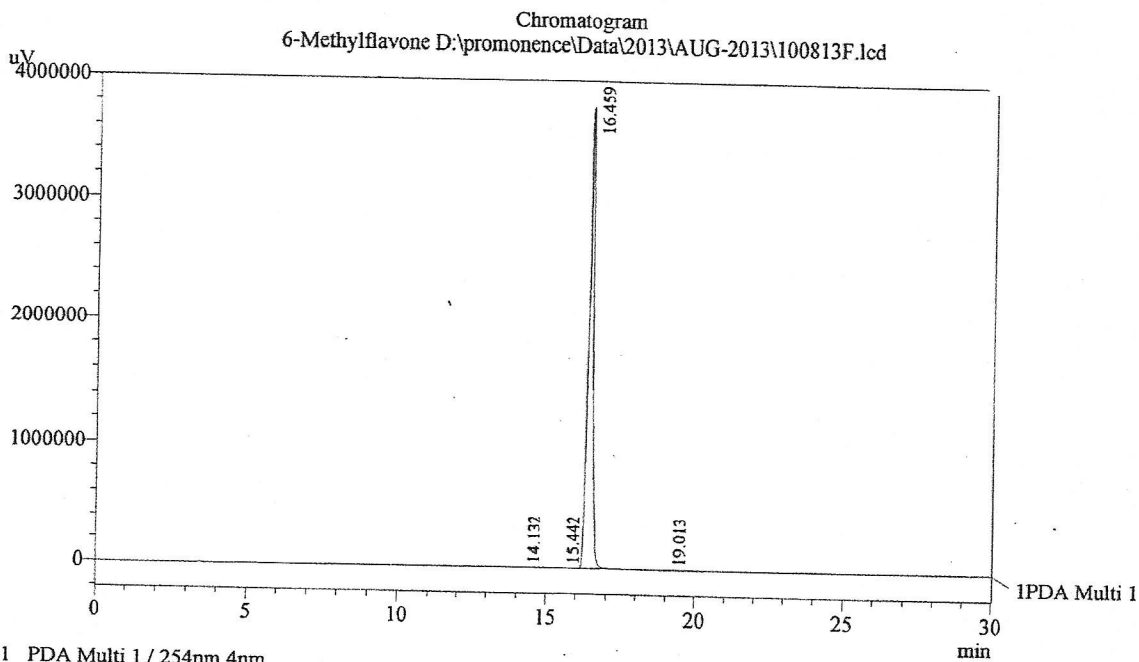
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 6-Methylflavone
 Sample ID : Lot No : 6MLF389
 Injection Volume : 20 uL
 Data Filename : 100813F.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: M-022
 Product Name: 6-Methylflavone
 Lot No.: 6MLF389



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
 Diluent : Mobile phase-A:Mobile phase-B(50:50)



PDA Ch1 254nm 4nm

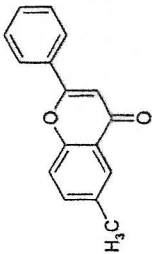
PeakTable

| Peak# | Name | Ret. Time | Area | Area % | Relative Retention Time |
|-------|-----------------|-----------|----------|--------|-------------------------|
| 1 | RT:14.132 | 14.132 | 28957 | 0.07 | 0.86 |
| 2 | RT:15.442 | 15.442 | 11481 | 0.03 | 0.94 |
| 3 | 6-Methylflavone | 16.459 | 44318218 | 99.90 | 1.00 |
| 4 | RT:19.013 | 19.013 | 3365 | 0.01 | 1.16 |
| Total | | | 44362020 | 100.00 | |



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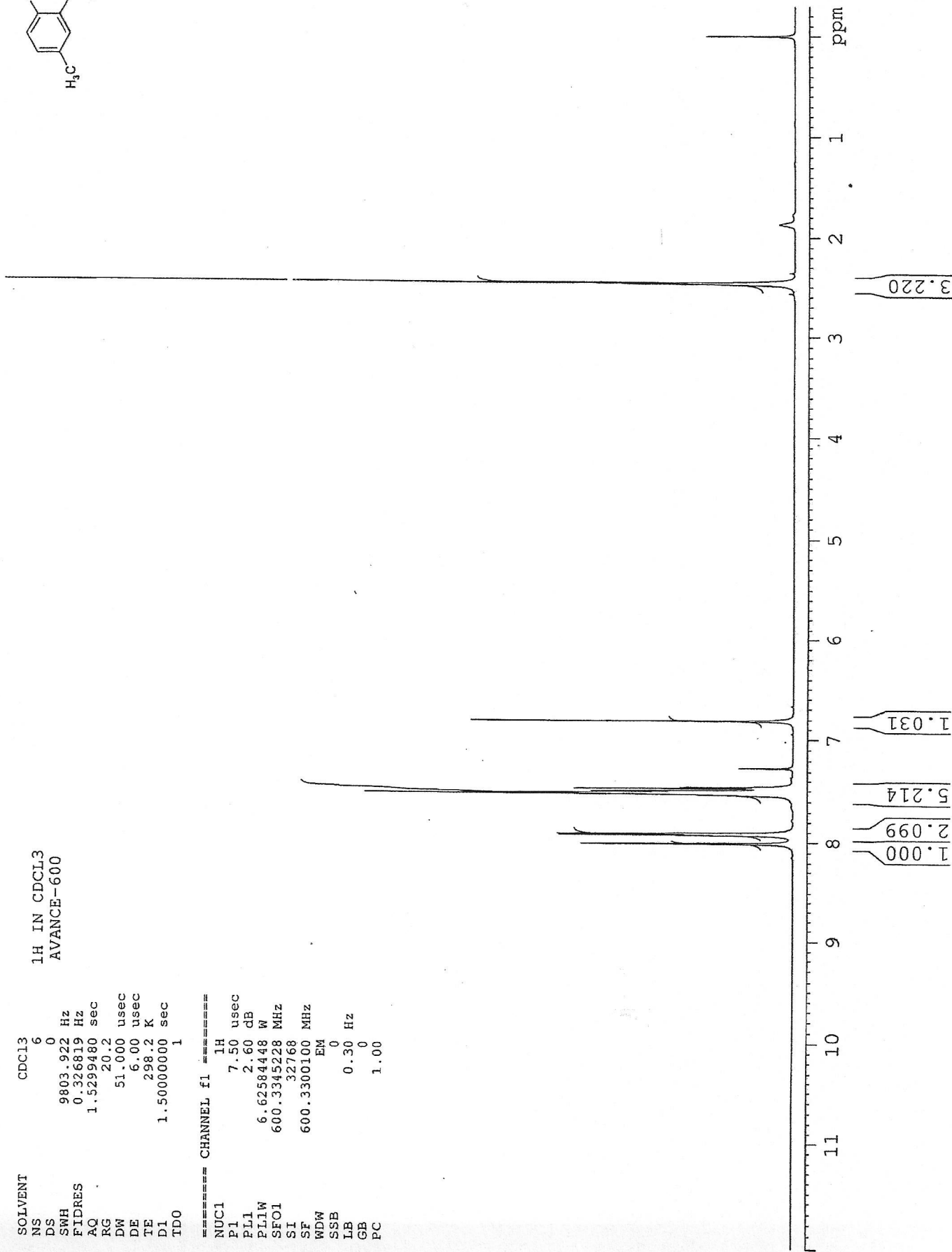
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 Product Name: 6-Methylflavone
 Lot No.: 6MLF389



SOLVENT CDCL3
 NS 6
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 20.2
 DW 51.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 ID0 1

1H IN CDCL3
 AVANCE-600

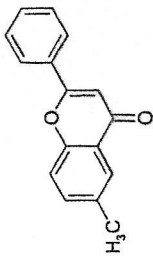
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300100 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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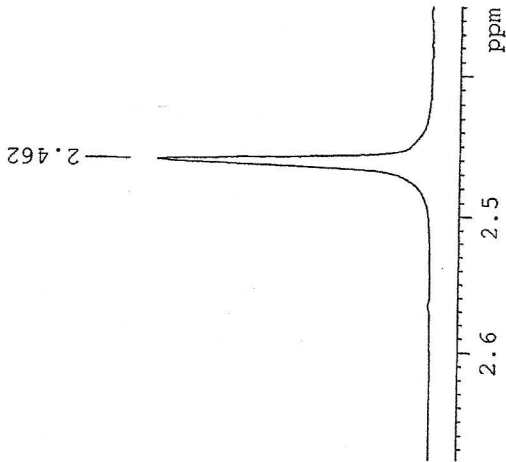
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1H IN CDCL3
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 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300100 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.528
 7.516
 7.499
 7.472
 7.458
 7.270
 6.811

8.012
 7.923
 7.912

