



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: D-603

Product name: **2',3'-DIMETHOXYFLAVONE**

CAS Number: [2554-84-9]

Lot Number: 0505038

Chemical Formula: C₁₇H₁₄O₄

Molecular Weight: 282.30

Melting Point: 84-87°C

Appearance: Off white powder

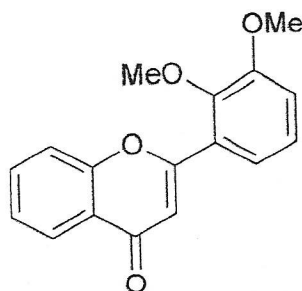
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 97.08%





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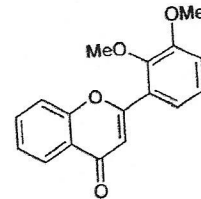
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HPLC ANALYSIS

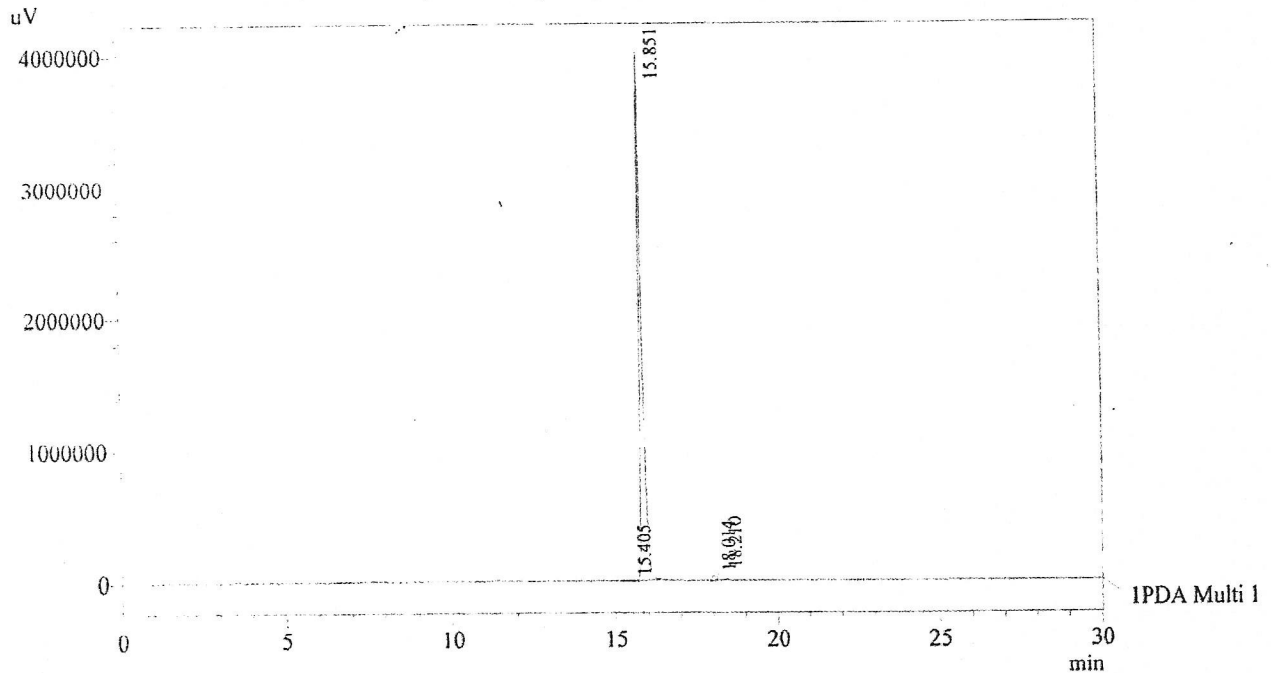
Acquired by : Sanjeev
 Sample Name : 2',3'-Dimethoxyflavone
 Sample ID : Lot No:0505038
 Injection Volume : 20 uL
 Data Filename : 110713G.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-603
 Product Name: 2',3'-Dimethoxyflavone
 Lot No.: 0505038



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 : Acetonitrile

Chromatogram
 2',3'-Dimethoxyflavone D:\promonence\Data\2013\July-2013\110713G.lcd

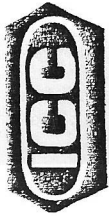


1 PDA Multi 1 / 240nm 4nm

PeakTable

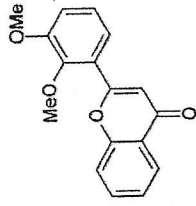
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.405	15.405	9474	0.04	0.97
2	2',3'-Dimethoxyflavone	15.851	25550414	97.08	1.00
3	RT:18.014	18.014	232037	0.88	1.14
4	RT:18.210	18.210	527737	2.01	1.15
Total			26319662	100.00	



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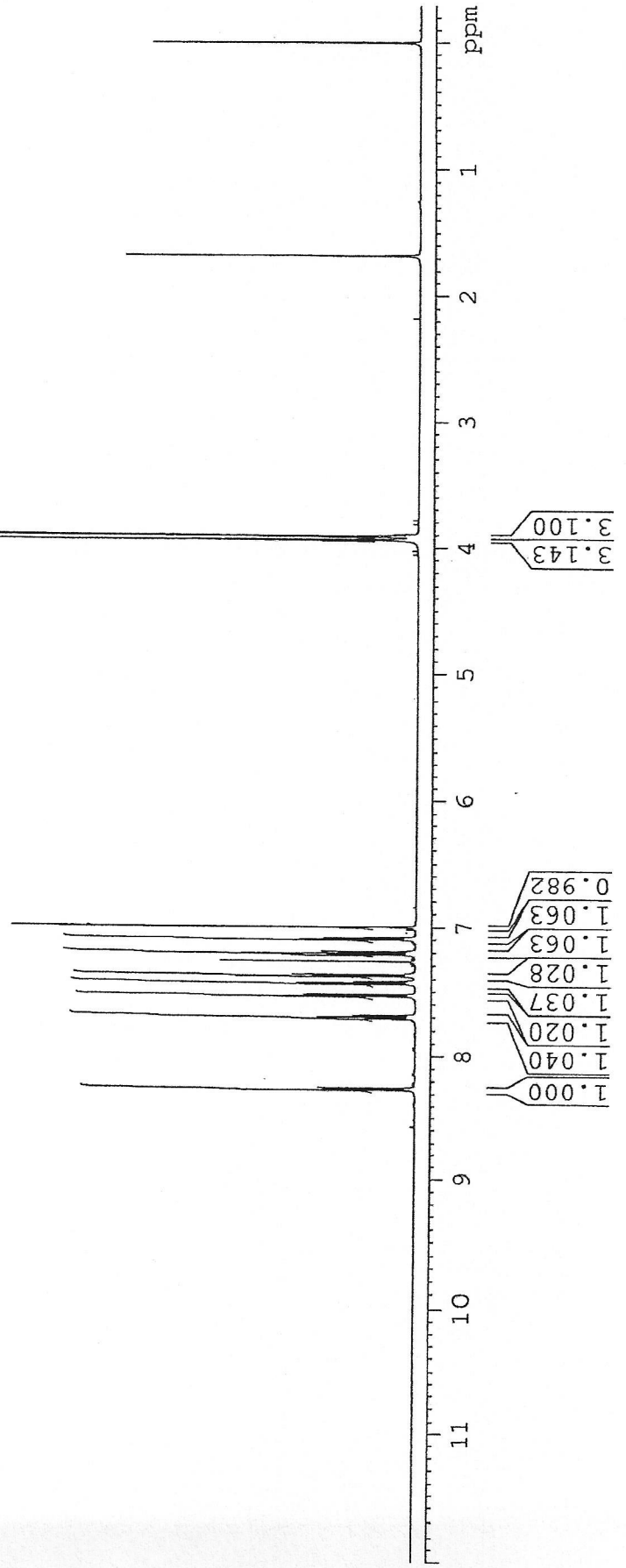
Catalog No.: D-603
 Product Name: 2,3-Dimethoxyflavone
 Lot No.: 0505038



SOLVENT CDC13
 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 CDCL3
 AVANCE-600

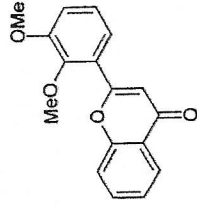
==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFOL 600.3345228 MHz
 SI 32768
 SF 600.3300108 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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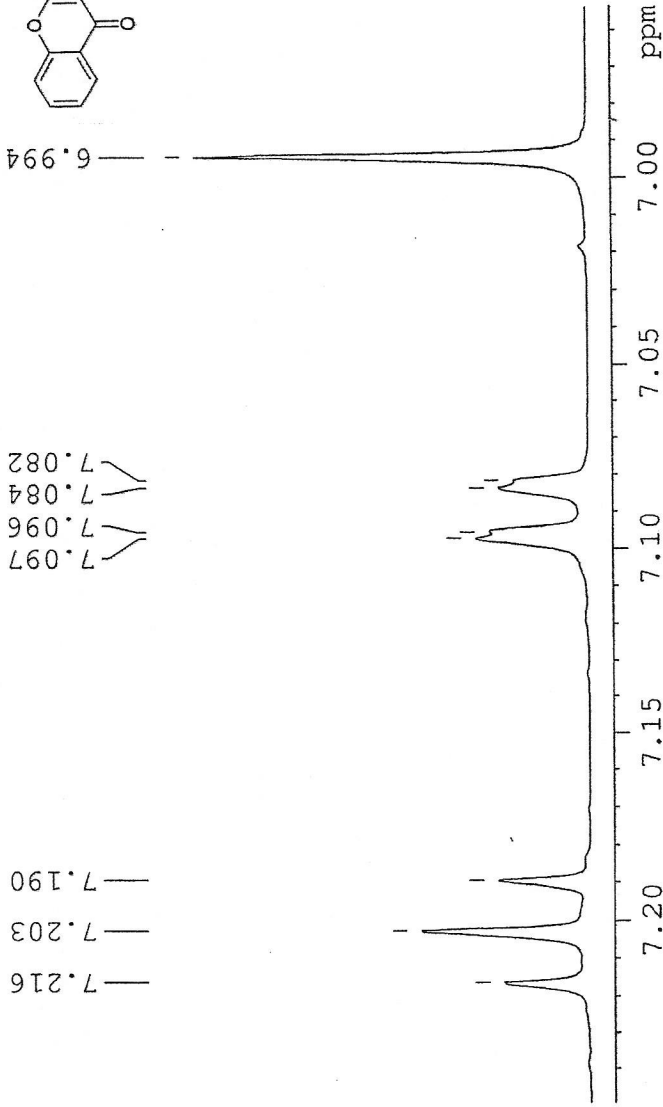
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 Product Name: 2',3'-Dimethoxyflavone
 Lot No.: 0505038



SOLVENT CDC13
 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
 DI 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

CHANNEL f1
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1W 6.62584448 W
 SFOL 600.3345228 MHz
 SI 32768
 SF 600.3300108 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



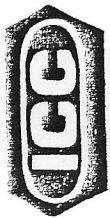
7.711
 7.708
 7.698
 7.696
 7.694
 7.685
 7.682

7.538
 7.524

7.440
 7.427
 7.415

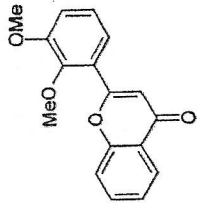
7.377
 7.375
 7.364
 7.361

7.70
 7.65
 7.60
 7.55
 7.50
 7.45
 7.40
 7.05
 7.00
 ppm



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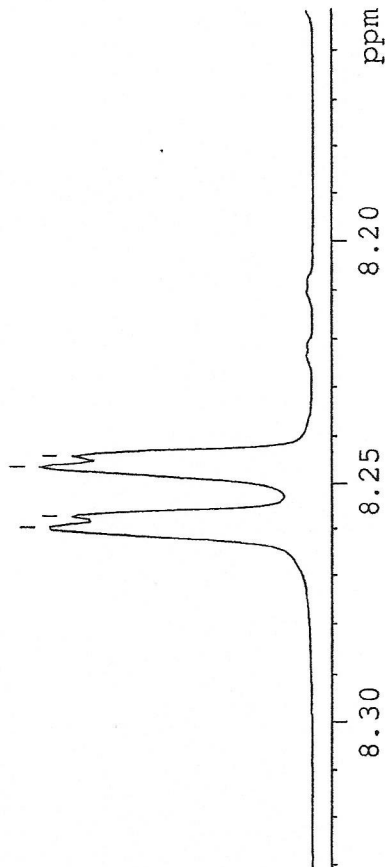


1H IN CDCL3
 AVANCE-600

SOLVENT CDC13
 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
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300108 MHz
 EM
 WDW 0
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

8.260
 8.258
 8.247
 8.245



3.936
 3.906

