



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: 22-202

Product Name: **6,2',3'-TRIMETHOXYFLAVANONE**

Lot Number: 98084

Chemical Formula: C₁₈H₁₈O₅

Molecular Weight: 314.34

Melting Point: 96-98°C

Appearance: White powder

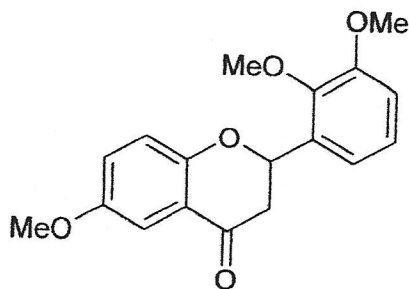
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.64%





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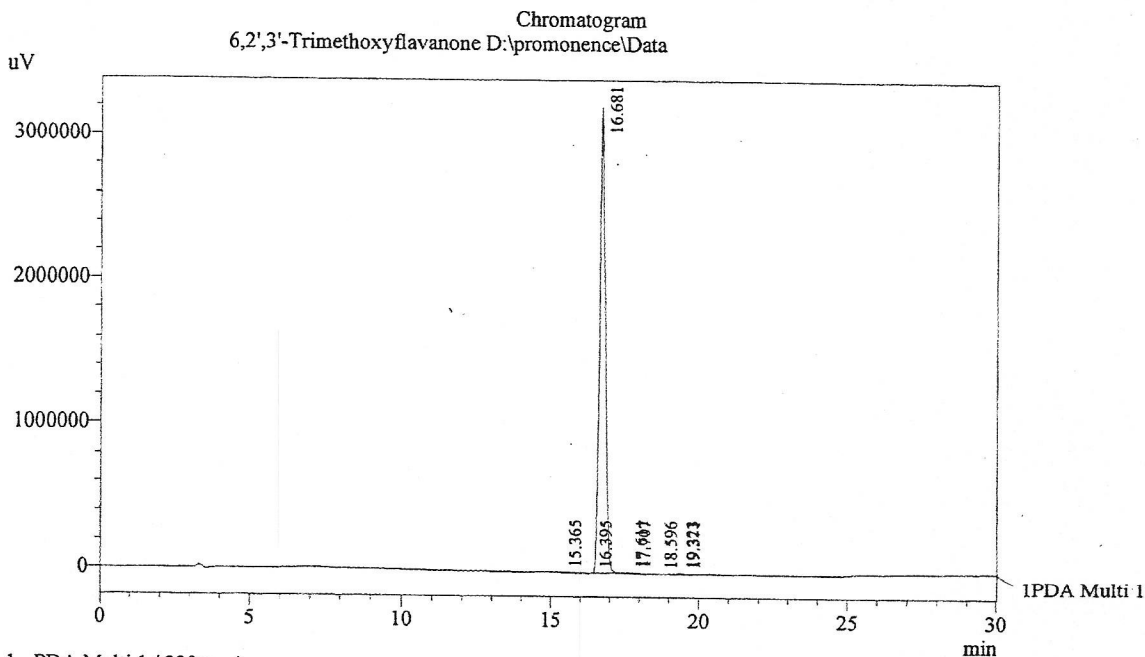
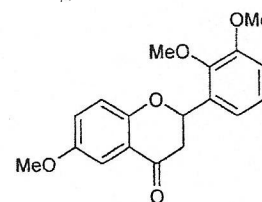
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 6,2',3'-Trimethoxyflavanone
 Sample ID : Lot No: 98084
 Injection Volume : 20 uL
 Data Filename : 300813C.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-202
 Product Name: 6,2',3'-Trimethoxyflavanone
 Lot No.: 98084

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



1 PDA Multi 1 / 230nm 4nm

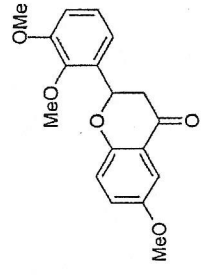
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.365	15.365	22210	0.05	0.92
2	RT:16.395	16.395	7098	0.02	0.98
3	6,2',3'-Trimethoxyflavanone	16.681	43590703	99.64	1.00
4	RT:17.611	17.611	37064	0.08	1.06
5	RT:17.707	17.707	16009	0.04	1.06
6	RT:18.596	18.596	10955	0.03	1.11
7	RT:19.323	19.323	32308	0.07	1.16
8	RT:19.371	19.371	32072	0.07	1.16
Total			43748421	100.00	



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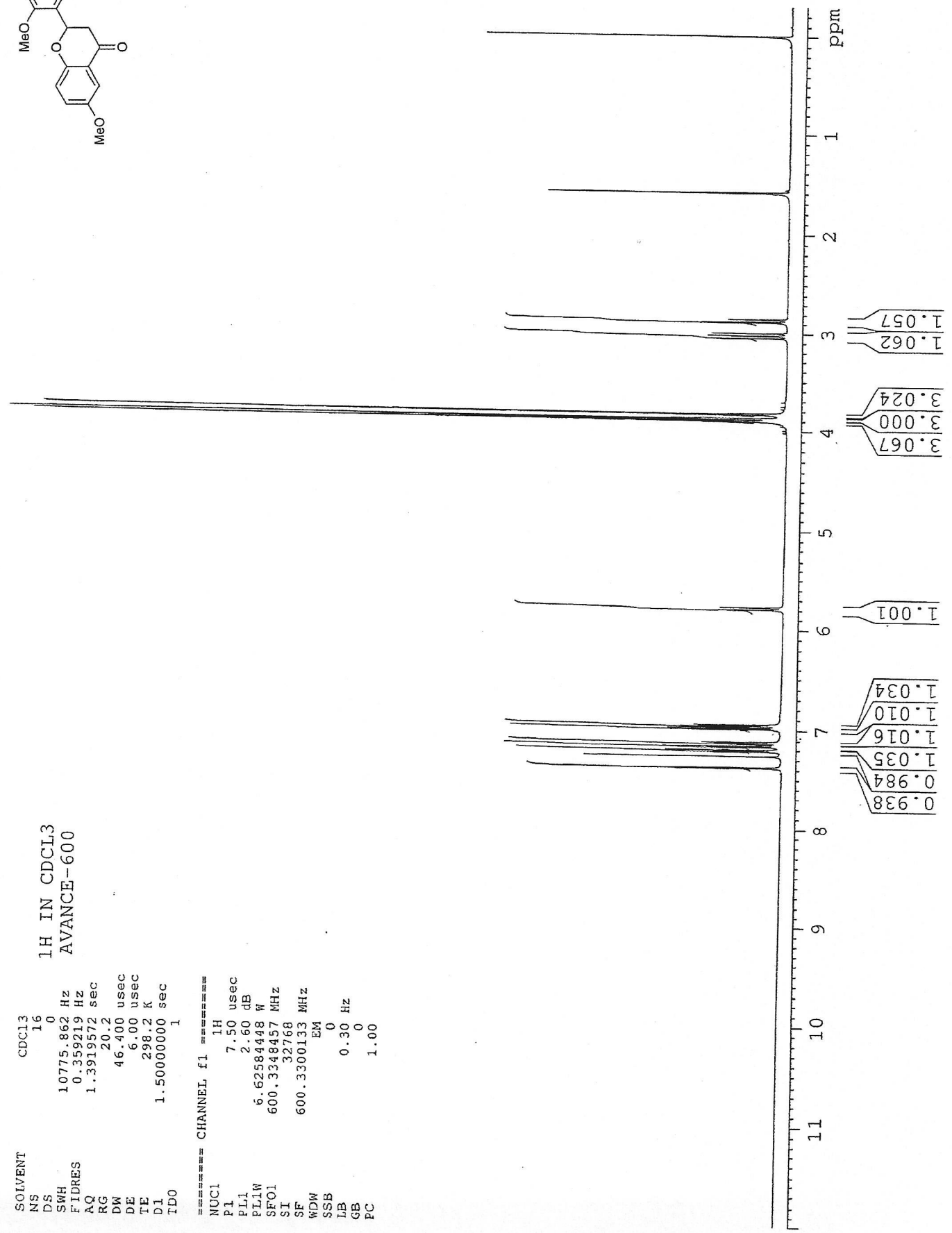
Catalog No.: 22-202
 Product Name: 6,2',3'-Trimethoxyflavanone
 Lot No.: 98084



SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10775.862 Hz
 FIDRES 0.359219 Hz
 AQ 1.3919572 sec
 RG 20.2
 DW 46.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 ID0 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3348457 MHz
 SI 32768
 SF 600.3300133 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

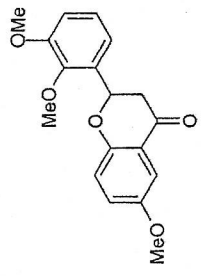
1H IN CDCL3
 AVANCE-600





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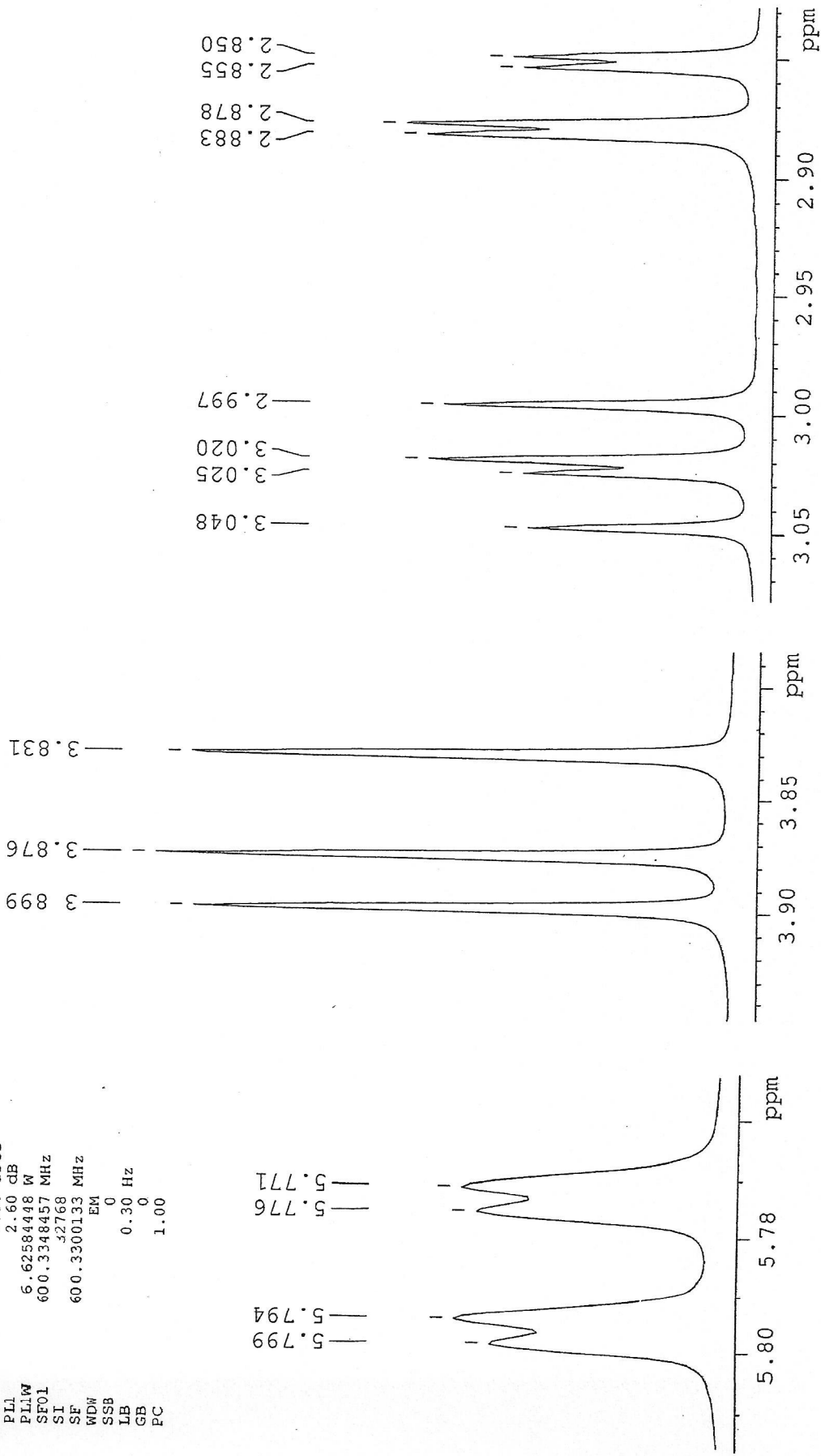
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 AQ 1.3919572 sec
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 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

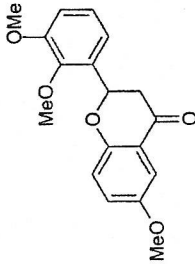
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 P1L 2.60 dB
 P1LW 6.62584448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300133 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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SOLVENT CDC13
 NS 16
 DS 0
 SWH 10775.862 Hz
 FIDRES 0.359219 Hz
 AQ 1.3919572 sec
 RG 20.2
 DW 46.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 ID0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PLW 6.62584448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300133 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

