



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

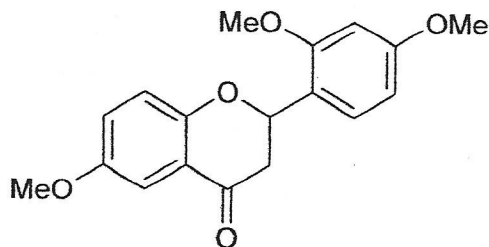
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number</u>	22-321
<u>Product Name:</u>	6,2',4'-TRIMETHOXYFLAVANONE
<u>Lot Number:</u>	0007180
<u>Chemical Formula:</u>	C ₁₈ H ₁₈ O ₅
<u>Molecular Weight:</u>	314.34
<u>Melting Point:</u>	155-158°C
<u>Appearance:</u>	White powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (8:2)
<u>NMR Spectrum:</u>	Enclosed (Conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity (HPLC):</u>	99.83%





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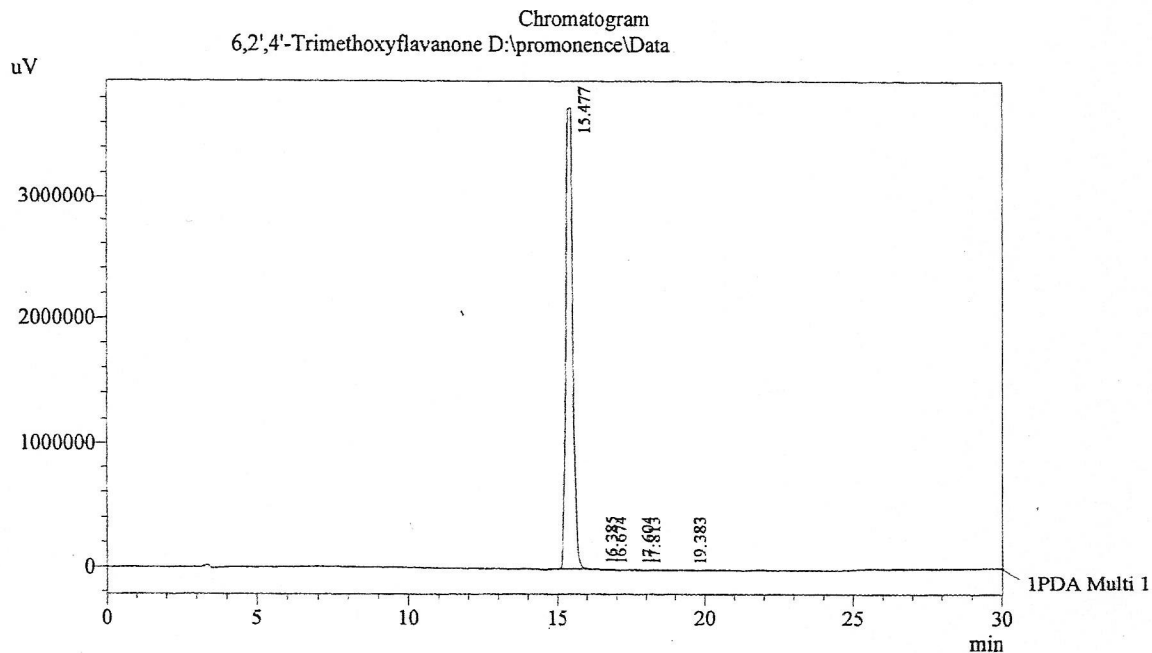
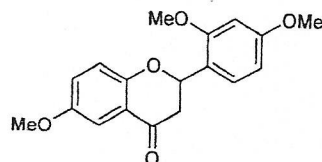
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6,2',4'-Trimethoxyflavanone
Sample ID : Lot No: 0007180
Injection Volume : 20 uL
Data Filename : 300813D.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-321
Product Name: 6,2',4'-Trimethoxyflavanone
Lot No.: 0007180

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



PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	6,2',4'-Trimethoxyflavanone	15.477	60757910	99.83	1.00
2	RT:16.385	16.385	6901	0.01	1.06
3	RT:16.674	16.674	7487	0.01	1.08
4	RT:17.604	17.604	54477	0.09	1.14
5	RT:17.813	17.813	9067	0.01	1.15
6	RT:19.383	19.383	22972	0.04	1.25
Total			60858814	100.00	



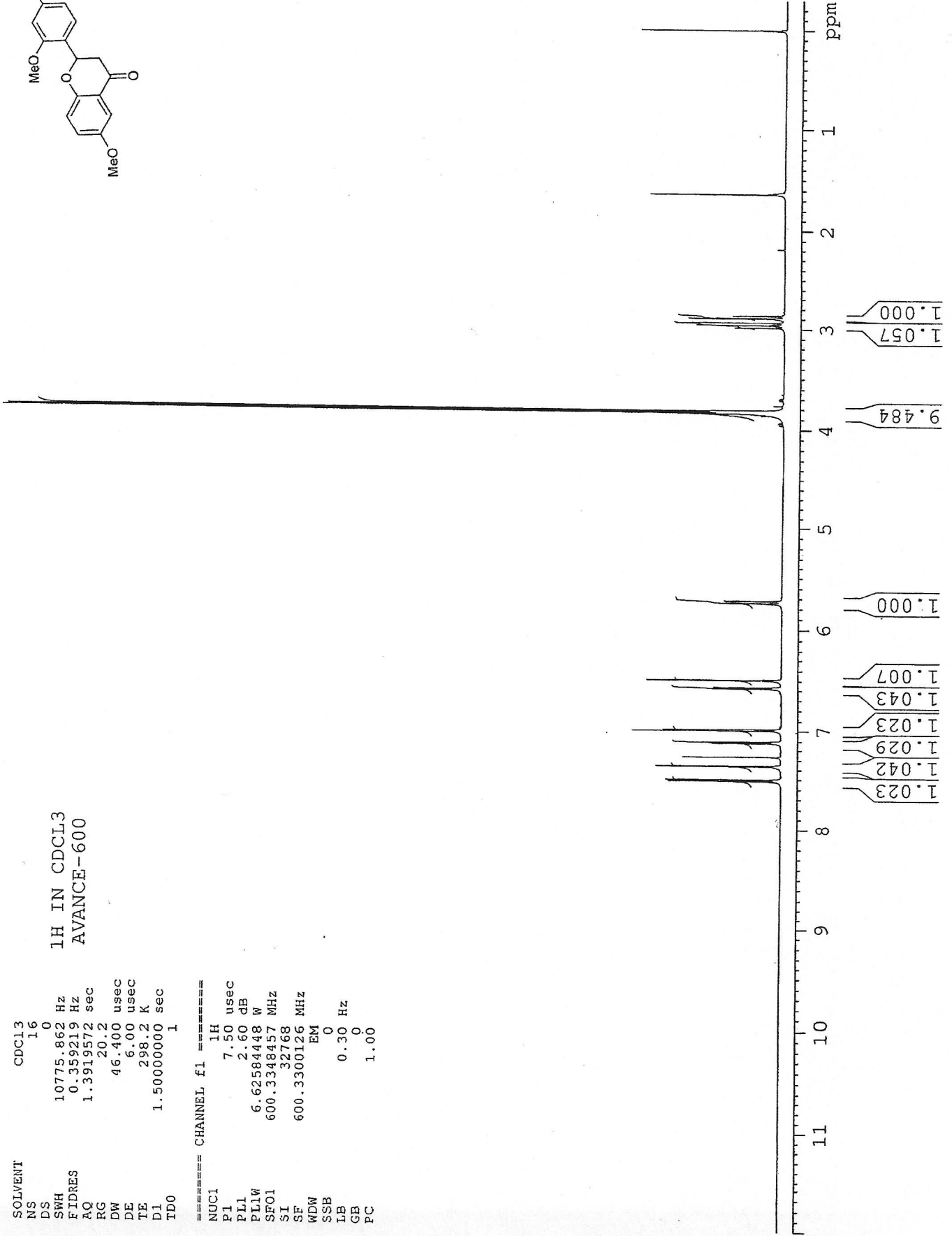
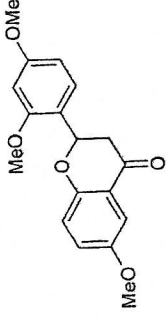
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 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

Catalog No.: 22-321
 Product Name: 6,2',4'-Trimethoxyflavanone
 Lot No.: 0007180

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
 TD0 1

1H IN CDCL3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 P1LW 6.6258448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300126 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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121 STRYKER LANE

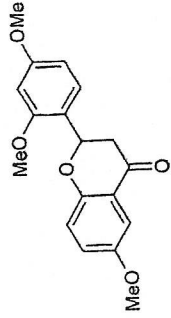
BLDG. 30, SUITE 1

HILLSBOROUGH, NJ 08844

Catalog No.: 22-321

Product Name: 6,2',4'-Trimethoxyflavanone

Lot No.: 0007180



SOLVENT

CDCL3

NS

DS

SWH

10775.862 Hz

0.359219 Hz

1.3919572 sec

AQ

RG

20.2

DW

46.400 usec

DE

6.00 usec

TE

298.2 K

D1

1.50000000 sec

TDO

1

1H IN CDCL3
AVANCE-600

===== CHANNEL f1 =====

NUC1

P1

PL1

PL1W

SF01

SI

SF

WDW

SSB

LB

GB

PC

1H

7.50 usec

2.60 dB

6.62584448 W

600.3348457 MHz

32768

600.3300126 MHz

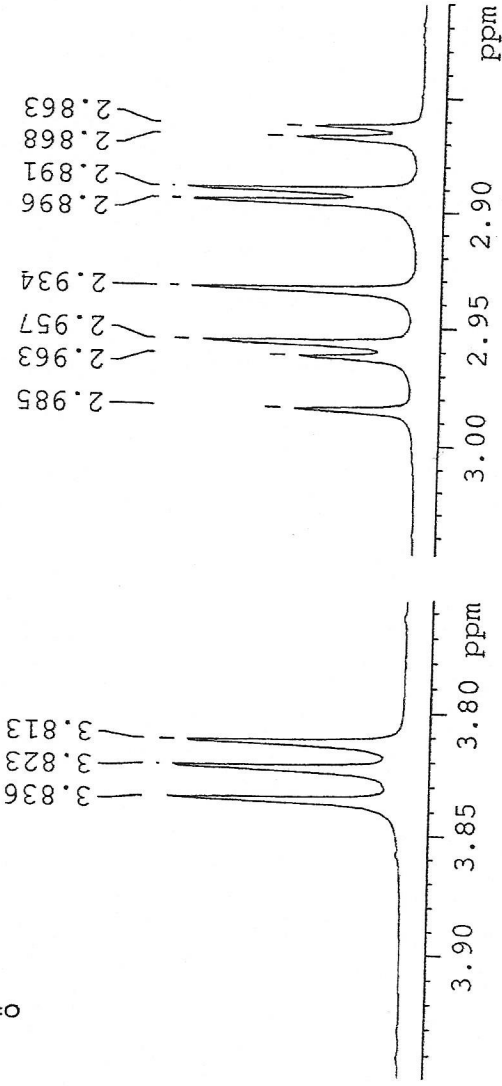
EM

0

0.30 Hz

0

1.00



7.512
7.498

7.362
7.357

7.264

7.121
7.115
7.106
7.100

6.995
6.980

6.579
6.575
6.565
6.561
6.493
6.489

