



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

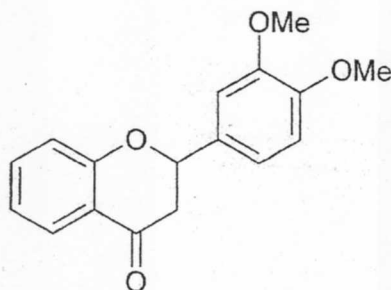
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat. No.: 22-316

<u>Product:</u>	3',4'-DIMETHOXYFLAVANONE
<u>Lot No.:</u>	0007172
<u>Molecular Formula:</u>	C ₁₇ H ₁₅ O ₄
<u>M.W.:</u>	283.31
<u>Melting Point:</u>	122-124°C
<u>Appearance:</u>	Pale yellow powder
<u>Solubility:</u>	Soluble in Chloroform, DMSO
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>Storage:</u>	Store in cool, dry place
<u>Purity (HPLC):</u>	99.76%





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

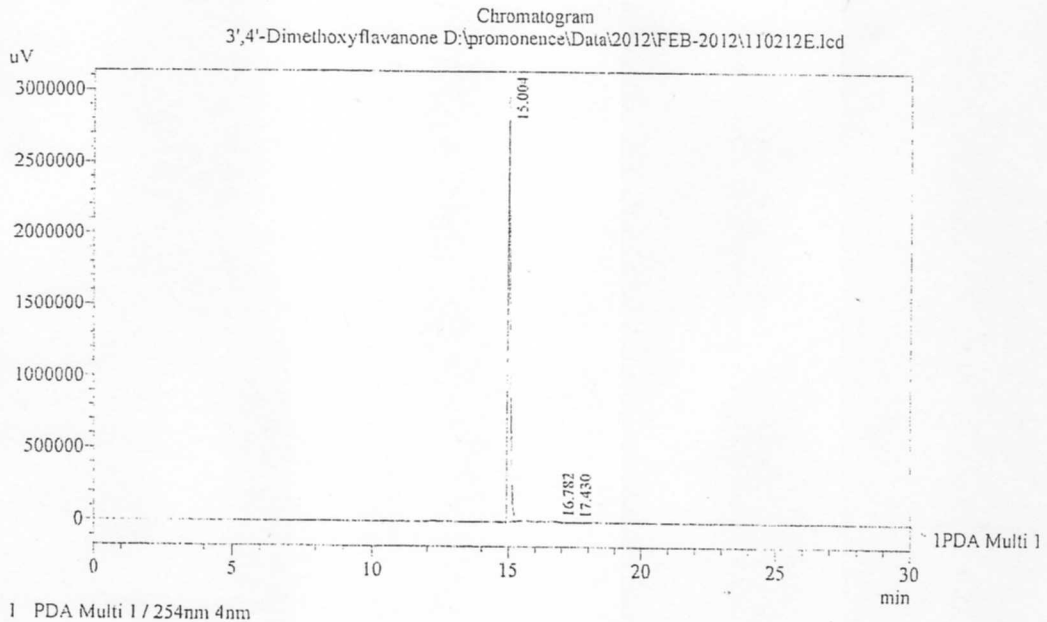
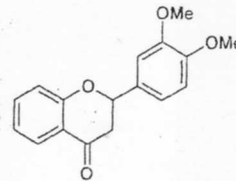
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3',4'-Dimethoxyflavanone
Sample ID : Lot No:-0007172
Injection Volume : 20 uL
Data Filename : 110212E.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-316
Product name: 3',4'-Dimethoxyflavanone
Lot No.: 0007172

Date Acquired : 2/11/2012 3:06:32 PM
Data Processed : 2/11/2012 4:23:58 PM
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
25.0 10 90
28.0 90 10
30.0 90 10



PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.004	15.004	17651358	99.76	1.00
2	RT:16.782	16.782	35665	0.20	1.12
3	RT:17.430	17.430	6233	0.04	1.16
Total			17693256	100.00	



INDOFINE Chemical Company, Inc.

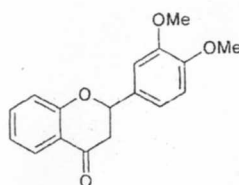
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

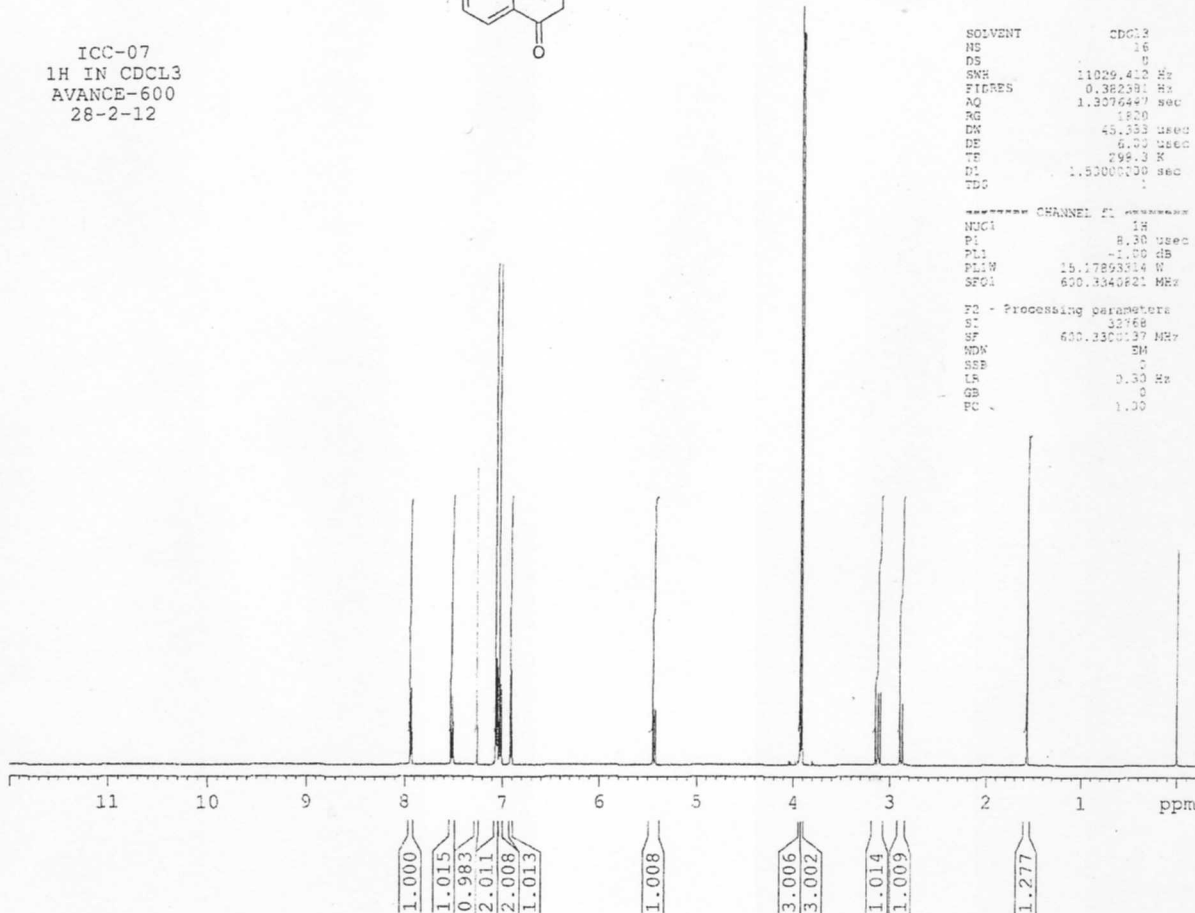
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 22-316
Product name: 3',4'-Dimethoxyflavanone
Lot No.: 0007172



ICC-07
1H IN CDCL3
AVANCE-600
28-2-12





INDOFINE Chemical Company, Inc.

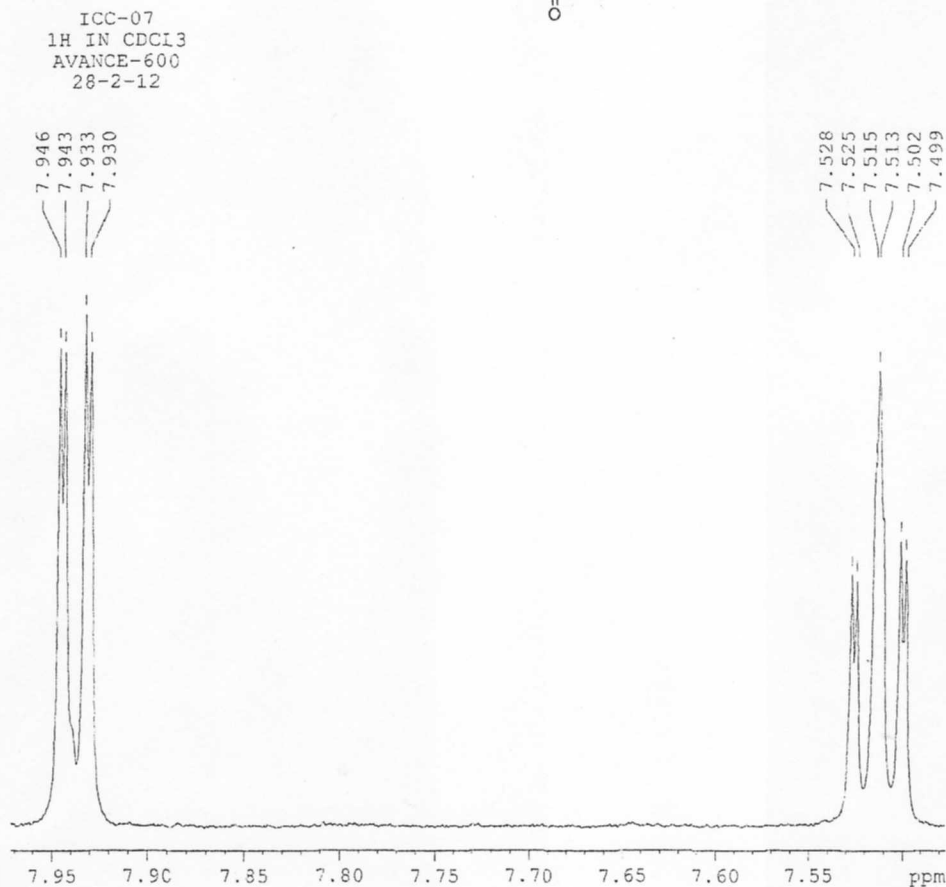
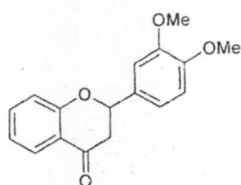
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 22-316
Product name: 3',4'-Dimethoxyflavanone
Lot No.: 0007172



SOLVENT CDCl3
NS 16
DS 0
SWH 11029.412 Hz
FIDRES 0.381381 Hz
AQ 1.3075447 sec
RG 400
DK 45.333 usec
ED 9.00 usec
TE 298.3 K
D 1.5000000 sec
TD 1

----- CHANNEL f1 -----
NUC1 1H
P 1.00 usec
PL 1.00 dB
PC1M 15.1789334 K
SFO1 600.3541801 MHz

FC - Processing parameters
SI 32768
SF 600.3541801 MHz
WDW EM
SSB 0
LM 1.20 Hz
GB 0
PC 1.00



INDOFINE Chemical Company, Inc.

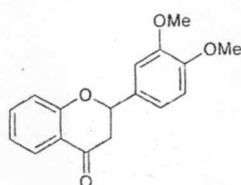
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 22-316
Product name: 3',4'-Dimethoxyflavanone
Lot No.: 0007172

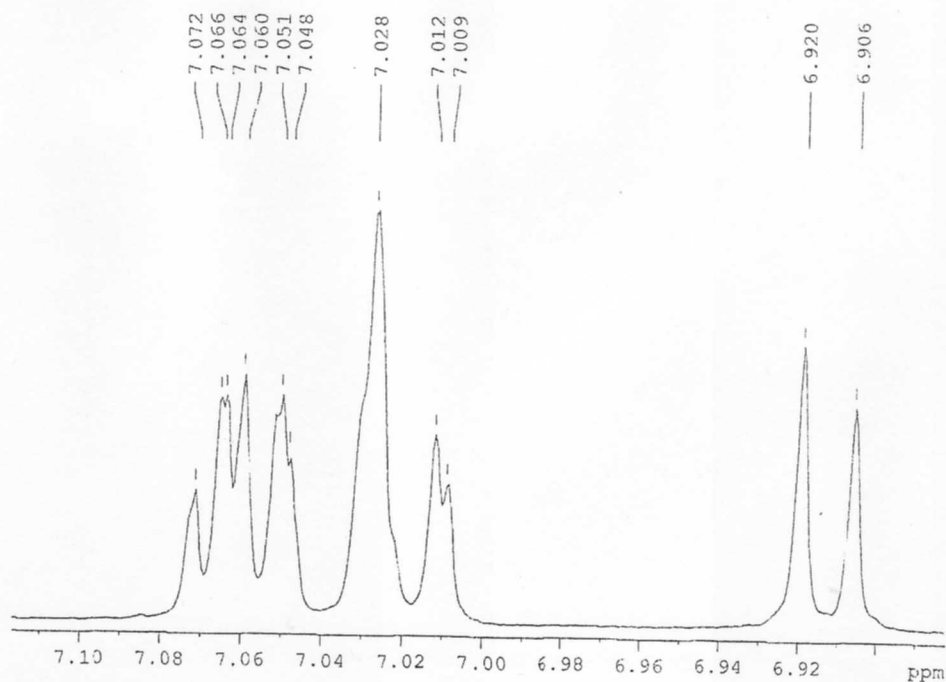


ICC-07
1H IN CDCl3
AVANCE-600
28-2-12

SOLVENT CDCl3
NS 16
DS C
SMH 1009.412 Hz
FIDRES 0.394321 Hz
AQ 1.3078447 sec
RG 820
EN 45.335 usec
EM 8.00 usec
TE 298.3 K
D1 1.5000000 sec
TRU 1

***** CHANNEL f1 *****
NUC1 1H
Z 0.30 usec
PDI 1.00 dB
PLM 15.1789314 W
SFO1 600.334321 MHz

F2 - Processing parameters
SI 32768
SF 600.3303137 MHz
WDW EM
SFB C
IS C
GB 0.30 Hz
PC 1.00



ICC INDOFINE Chemical Company, Inc.

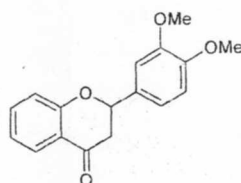
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

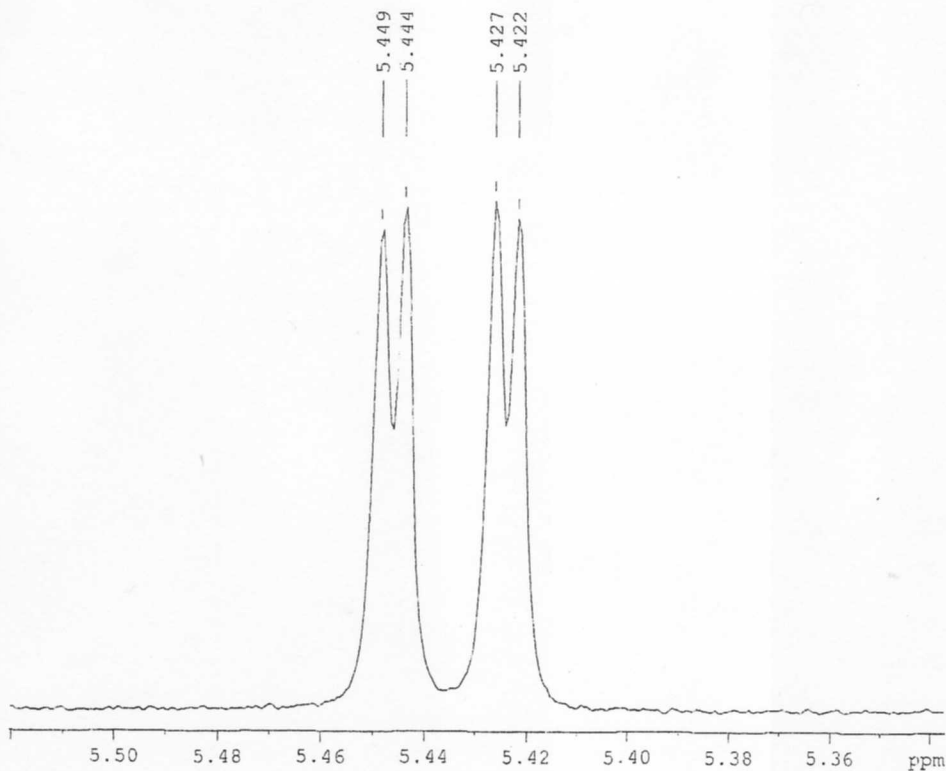
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 22-316
Product name: 3',4'-Dimethoxyflavanone
Lot No.: 0007172



ICC-07
1H IN CDCl3
AVANCE-600
26-2-12



SOLVENT CDCl3
NS 16
DS 0
SWH 11025.410 Hz
FIDRES 0.382331 Hz
AQ 1.3374447 sec
RG 1200
BN 45.353 usec
DE 6.00 usec
TE 298.3 K
D1 1.5000000 sec
TD0 1

***** CHANNEL f1 *****
NUC1 1H
PC 3.30 usec
PL1 -1.00 dB
PL1W 15.1789314 W
SFO1 600.3348801 MHz

PC - Processing parameters
SI 32768
SF 600.3300137 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

ICC INDOFINE Chemical Company, Inc.

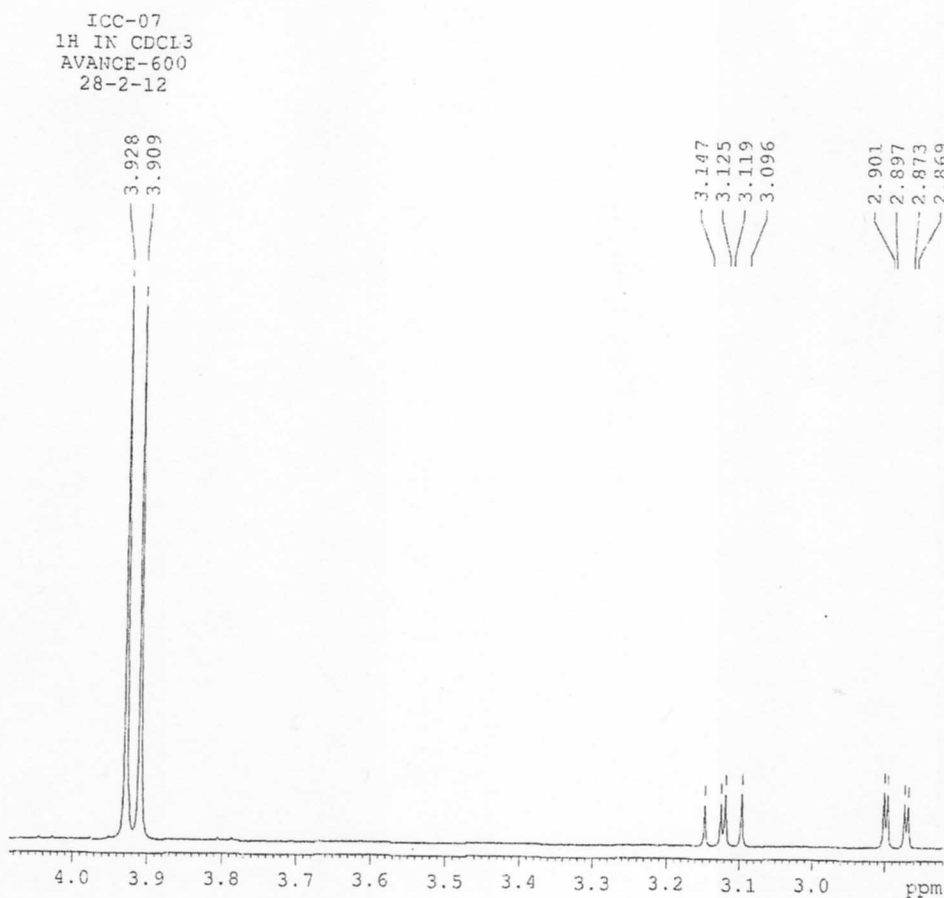
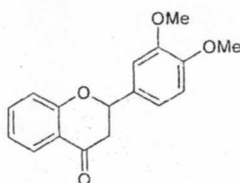
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

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

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Catalog No.: 22-316
 Product name: 3',4'-Dimethoxyflavanone
 Lot No.: 0007172



SOLVENT	CDCl3
RG	16
D3	0
SHH	11029.437 Hz
FIDRES	0.383385 Hz
AQ	1.3078447 sec
RG	1820
DN	45.333 Lsec
DE	5.00 Lsec
TE	298.3 K
DE	1.5000000 sec
TDC	1

----- CHANNEL f1 -----	
NUC1	1H
P1	3.00 usec
PL1	-1.00 dB
PLW	15.17894014 W
STO1	600.3440821 MHz

F2 - Processing parameters	
ST	3758
SP	600.3381137 MHz
MDW	EM
SIB	0
LM	0.30 Hz
GB	0
PC	1.00