



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: 22-322

Product Name: **6,2',4'-TRIMETHOXYFLAVONE**

CAS Number: [720675-90-1]

Lot Number: 0007181

Chemical Formula: C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>

Molecular Weight: 312.33

Melting Point: 190-193°C

Appearance: Yellow powder

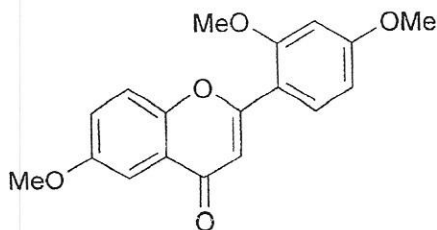
Solubility: Soluble in Chloroform

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: \*Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 97.65%





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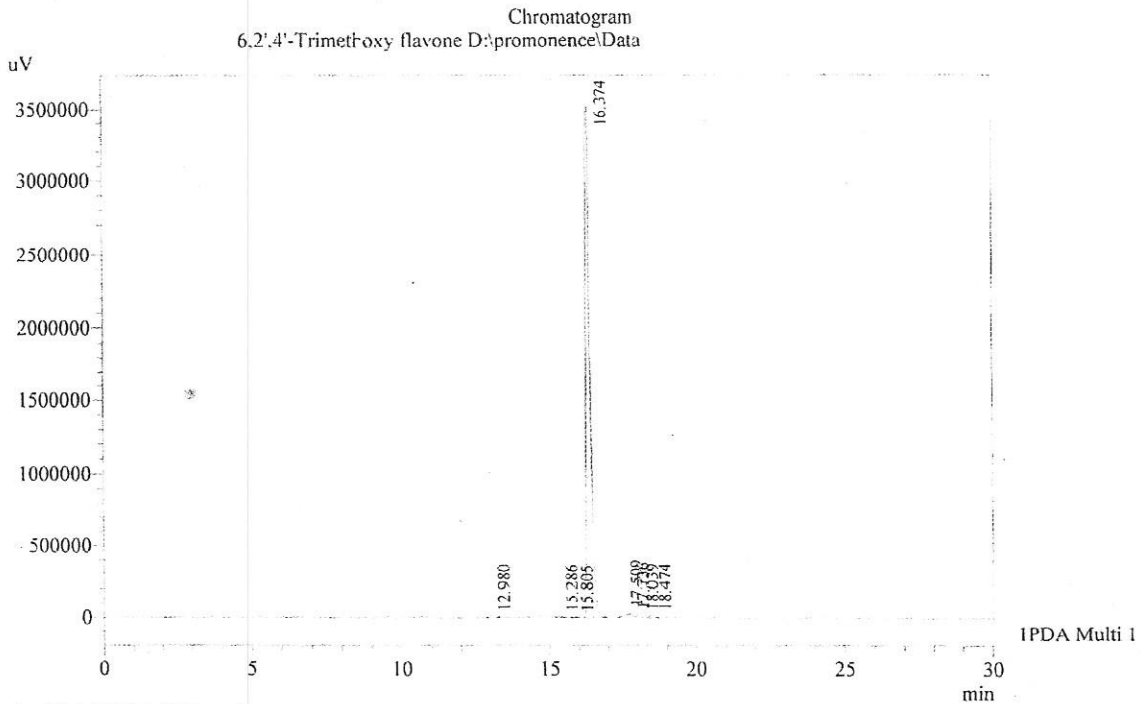
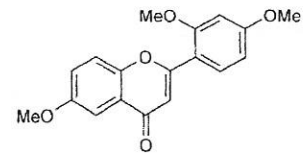
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 6,2',4'-Trimethoxy flavone  
 Sample ID : Lot no:0007181  
 Injection Volume : 20 uL  
 Data Filename : 311214D.lcd  
 Method Filename : Linear Gradient.F.lcm

Catalog No.: 22-322  
 Product Name: 6,2',4'-Trimethoxyflavone  
 Lot No.: 0007181

Column : Gemini C-18, (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

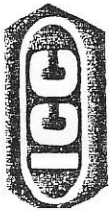


1 PDA Multi 1 / 254nm 4nm

PeakTable

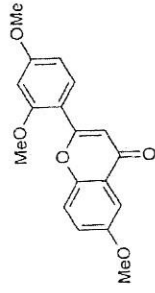
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.980	12.980	144628	0.41	0.79
2	RT:15.286	15.286	64363	0.18	0.93
3	RT:15.805	15.805	29051	0.08	0.97
4	6,2',4'-Trimethoxy flavone	16.374	34856314	97.65	1.00
5	RT:17.509	17.509	279590	0.78	1.07
6	RT:17.736	17.736	70976	0.20	1.08
7	RT:18.039	18.039	85086	0.24	1.10
8	RT:18.474	18.474	164587	0.46	1.13
Total			35694596	100.00	



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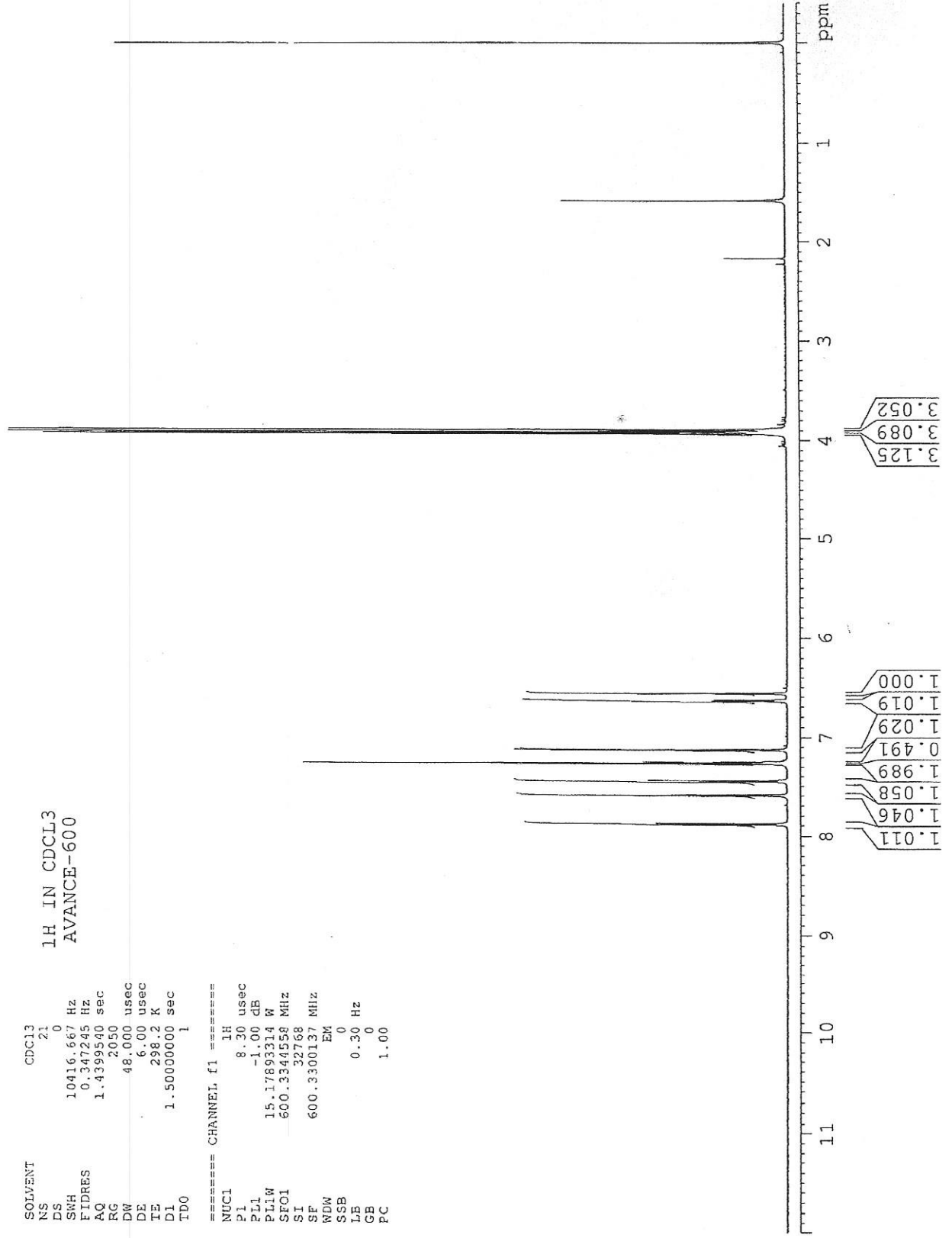
Catalog No.: 22-322  
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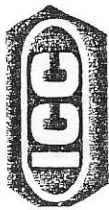


SOLVENT CDC13  
NS 21  
DS 0  
SMH 10416.667 Hz  
FIDRES 0.347245 Hz  
AQ 1.4399540 sec  
RG 2050  
DW 48.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TDO 1

===== CHANNEL f1 =====  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SF01 600.3344558 MHz  
SI 32768  
SF 600.3300137 MHz  
EM 0  
WDW 0  
SSB 0  
LE 0.30 Hz  
GB 0  
PC 1.00

1H IN CDCL3  
AVANCE-600

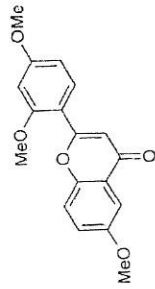




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===== CHANNEL f1 =====  
 NUC1 1H  
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 PL1 -1.00 dB  
 PL1W 15.17893314 W  
 SF01 600.3344558 MHz  
 SI 3.68  
 SF 600.3300137 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

1H IN CDCL3  
AVANCE-600

