



# 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: D-430

Product: **7,3'-DIMETHOXYFLAVONE**

CAS Number: [6802-49-9]

Lot Number: 0405118

Chemical Formula: C<sub>17</sub>H<sub>14</sub>O<sub>4</sub>

Molecular Weight: 282.30

Melting Point: 153-154°C

Appearance: White powder

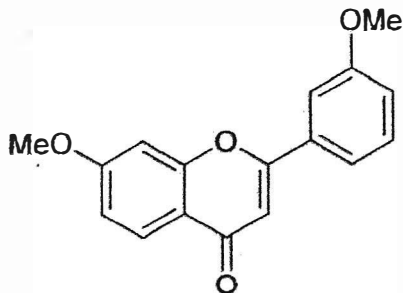
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (1:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.84% (HPLC)





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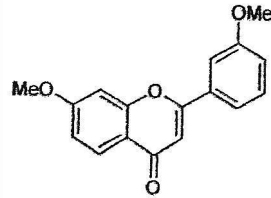
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## HPLC ANALYSIS

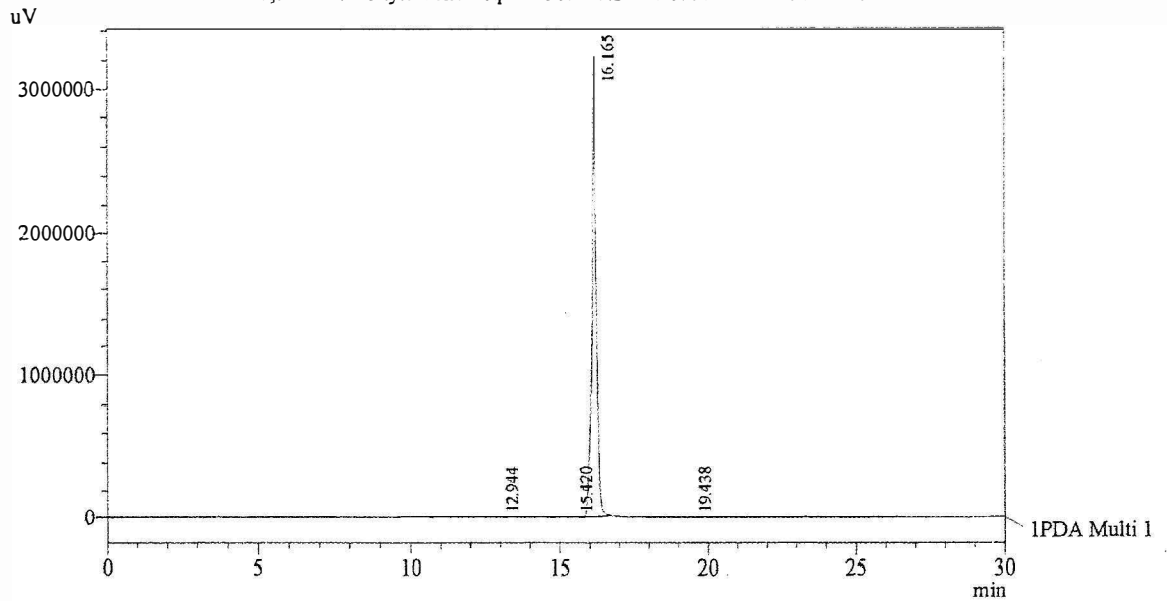
Acquired by : Sanjeev  
 Sample Name : 7,3'-Dimethoxyflavone  
 Sample ID : Lot No:- 0405118  
 Injection Volume : 20 uL  
 Data Filename : 10413E.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-430  
 Product name: 7,3'-Dimethoxyflavone  
 Lot No.: 0405118



Column : LUNA C-18(2), (250mm x4.6mm 5.0µm)  
 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

Chromatogram  
 7,3'-Dimethoxyflavone D:\promonence\Data\2013\APR-2013\010413E.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

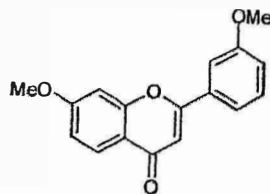
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.944	12.944	4353	0.01	0.80
2	RT:15.420	15.420	41993	0.14	0.95
3	7,3'-Dimethoxyflavone	16.165	30213825	99.84	1.00
4	RT:19.438	19.438	1893	0.01	1.20
Total			30262065	100.00	



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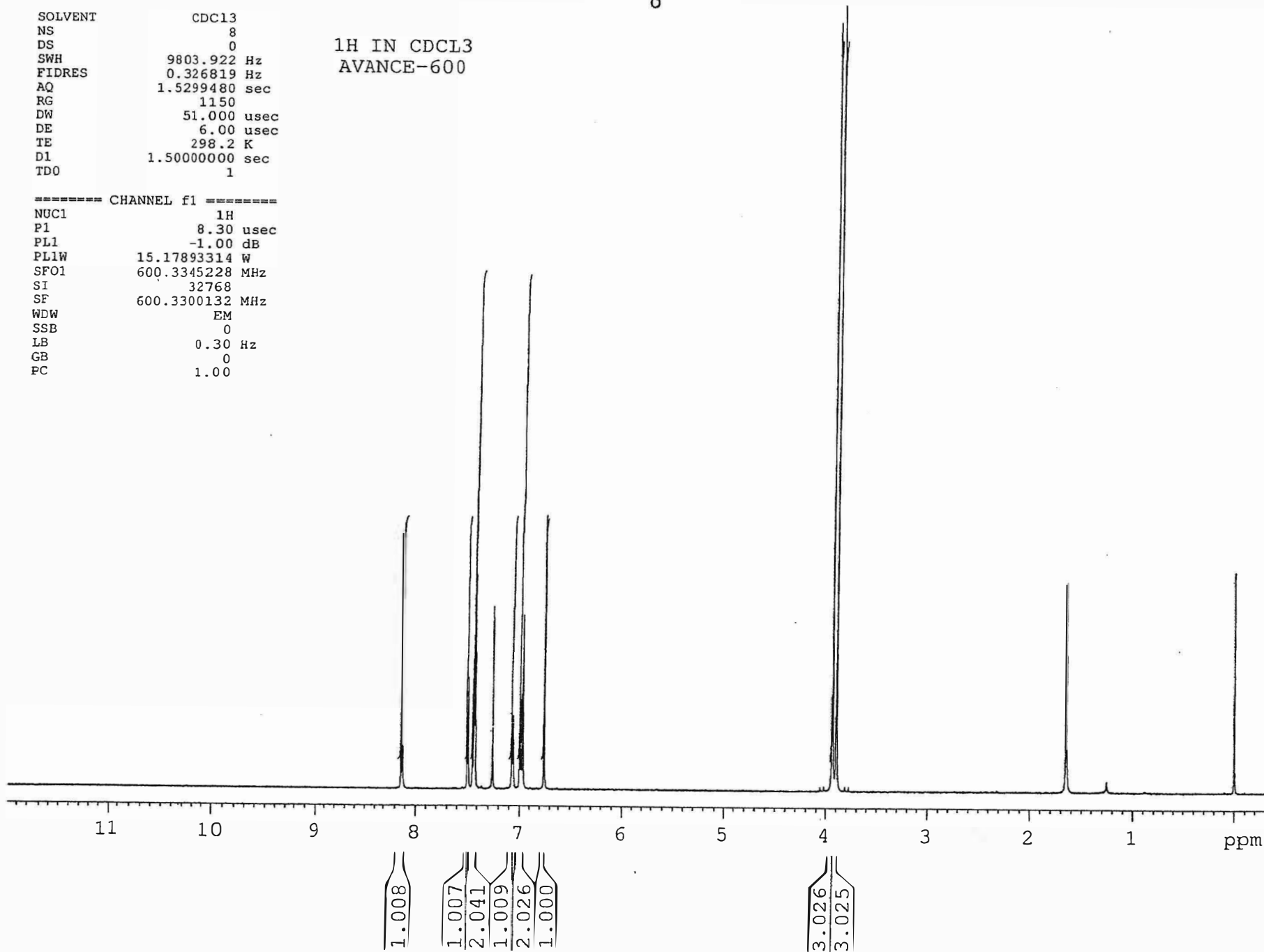


Catalog No.: D-430  
Product name: 7,3'-Dimethoxyflavone  
Lot No.: 0405118

SOLVENT CDC13  
NS 8  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 1150  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

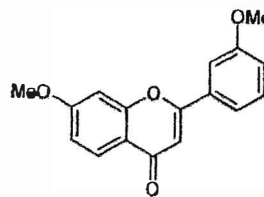
1H IN CDCL3  
AVANCE-600

==== CHANNEL f1 =====  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3345228 MHz  
SI 32768  
SF 600.3300132 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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