



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: D-204

Product Name: **3',4'-DIMETHOXYFLAVONE**

CAS Number: [4143-62-8]

Lot Number: 96038

Molecular Formula: C₁₇H₁₄O₄

Molecular Weight: 282.3

Melting Point: 148-150°C

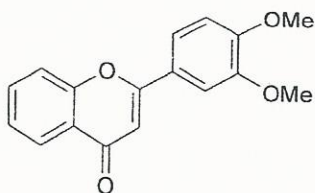
Appearance: White crystalline powder

Solubility: Soluble in Chloroform

TLC: n-Hexane:Ethyl acetate (1:1)

NMR Spectrum: Enclosed (conforms to the structure)

Purity(HPLC): 99.73%





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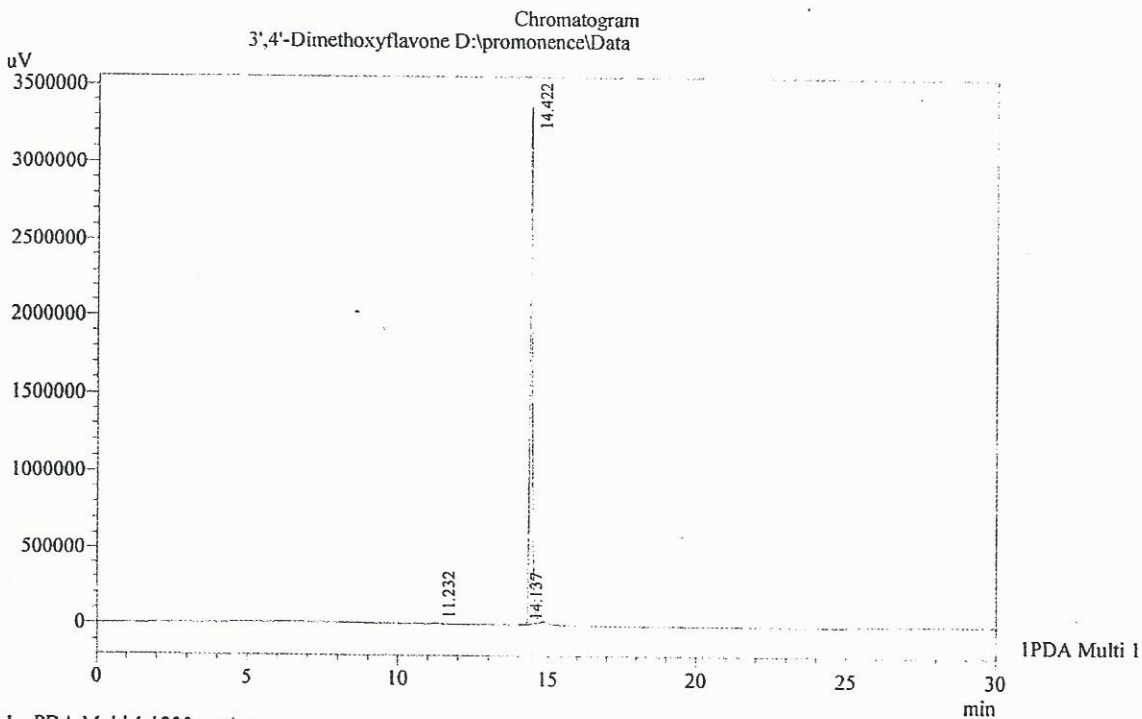
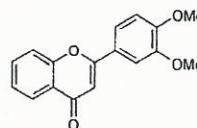
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HPLC ANALYSIS

Acquired by : Admin
Sample Name : 3',4'-Dimethoxyflavone
Sample ID : Lot no:96038
Injection Volume : 20 uL
Data Filename : 130615C.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-204
Product Name: 3',4'-Dimethoxyflavone
Lot No.: 96038

Column : LUNA 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 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.232	11.232	27532	0.13	0.78
2	RT:14.144	14.137	27742	0.14	0.98
3	3',4'-Dimethoxyflavone	14.422	20476388	99.73	1.00
Total			20531662	100.00	



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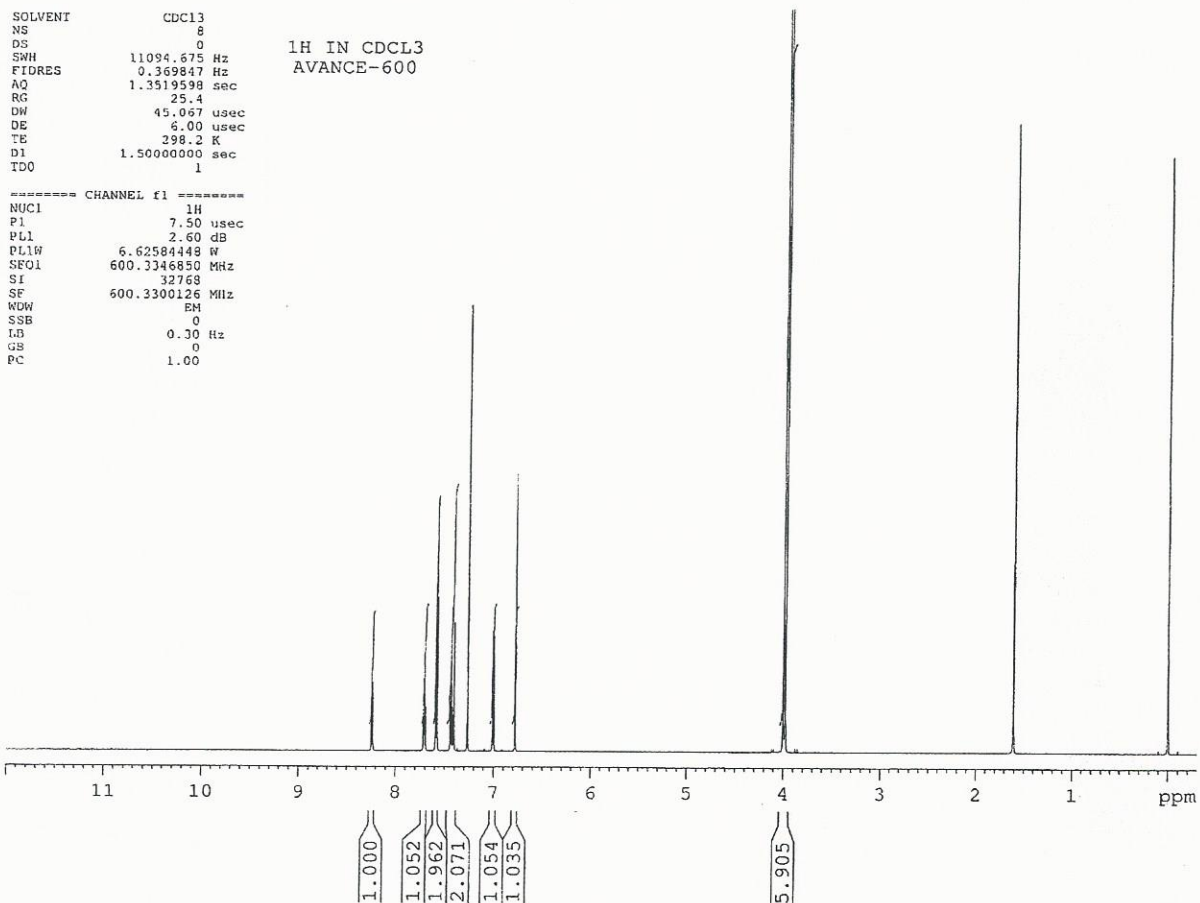
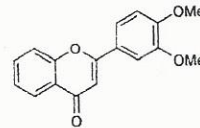
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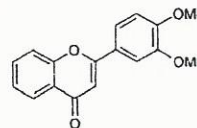
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SOLVENT CDCL3
NS 8
DS 0
SWH 11094.675 Hz
FIDRES 0.369847 Hz
AQ 1.3519598 sec
RG 25.4
DW 45.067 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDO 1

1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
P1LW 6.62584448 W
SFO1 600.3346850 MHz
SI 32768
SF 600.3300126 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

