



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-432

Product Name: **3',4'-DIMETHOXY- α -NAPHTHOFLAVONE**

Lot Number: 96036

CAS Number: [14756-24-2]

Chemical Formula: C₂₁H₁₆O₄

Molecular Weight: 332.36

Melting Point 191-193°C

Appearance: White fluffy powder

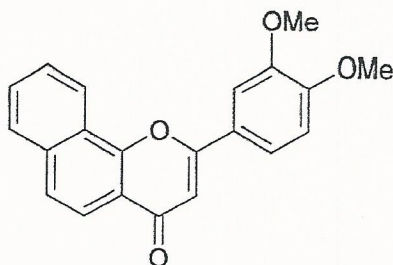
Solubility: Soluble in chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.72%





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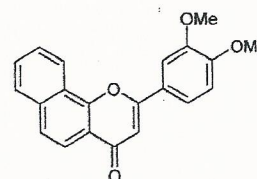
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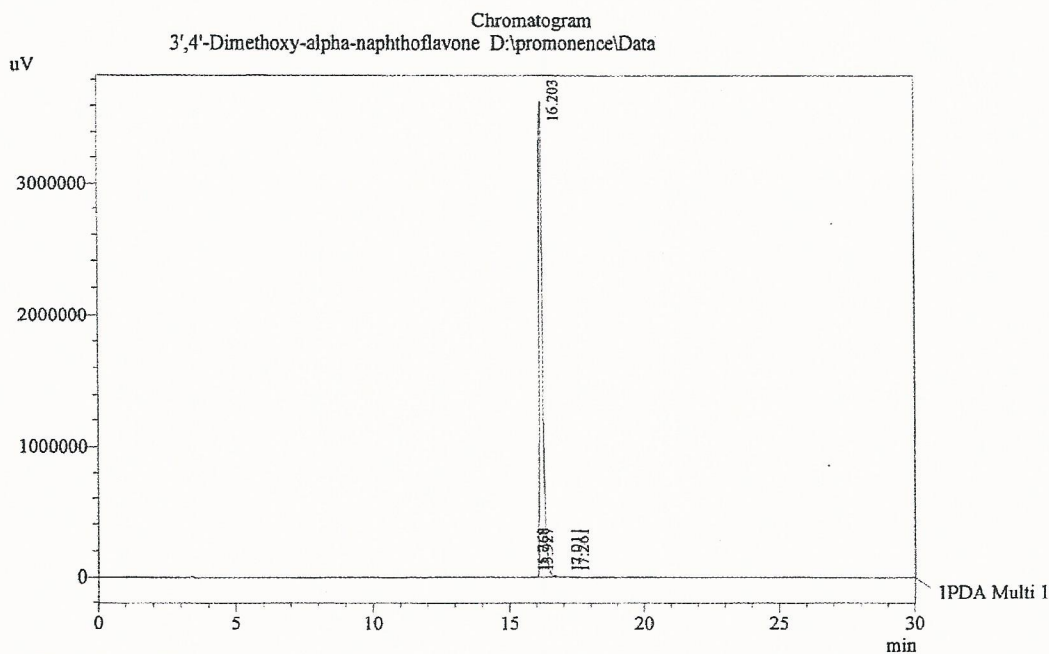
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3',4'-Dimethoxy-alpha-naphthoflavone
Sample ID : Lot No: 96036
Injection Volume : 20 uL
Data Filename : 1705141.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-432
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Lot No.: 96036



Column : Phenomenex Luna-C18 (250mm x4.6mm 5.0 μ)
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

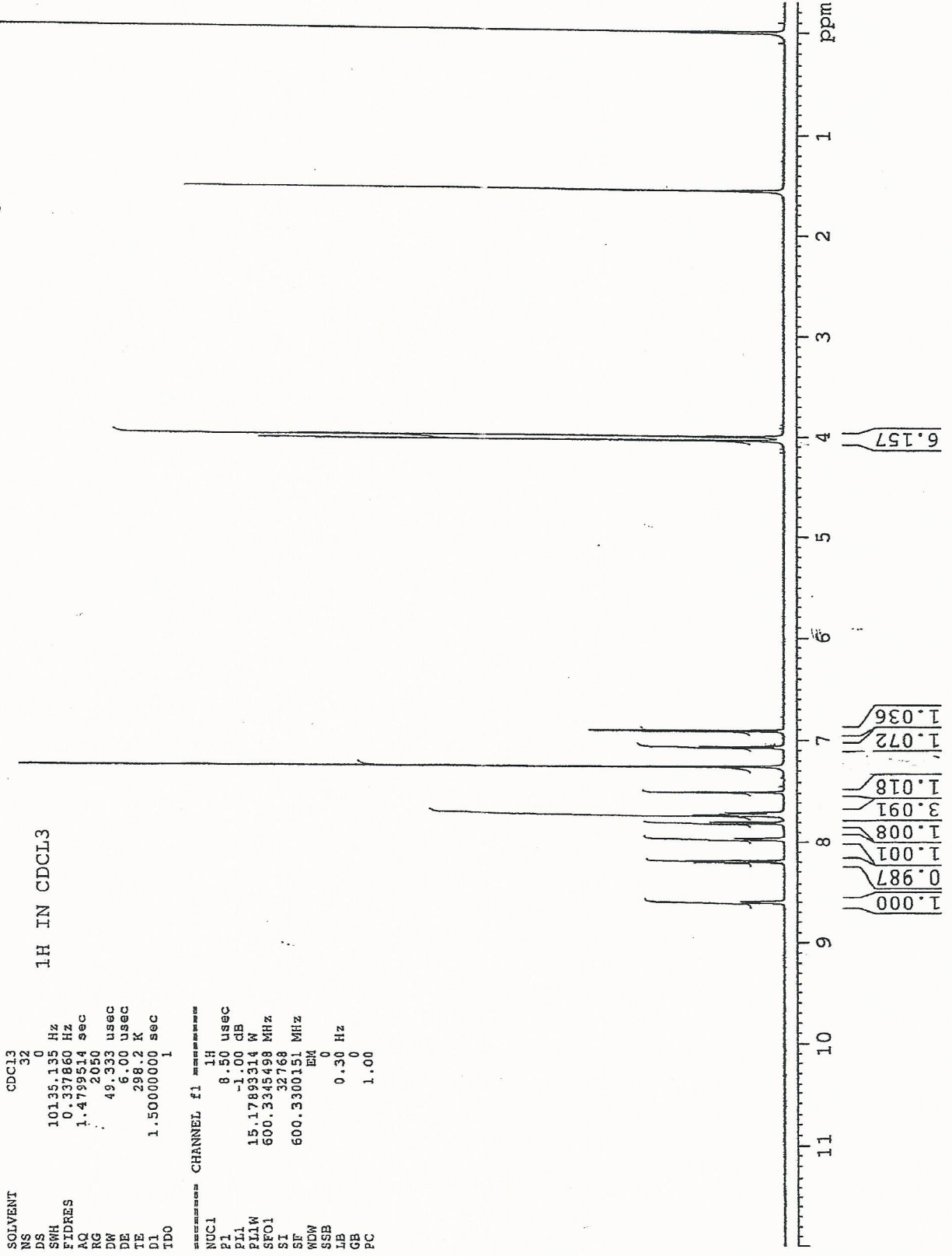
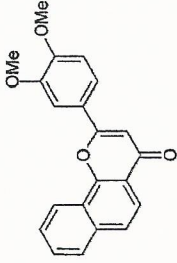
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:15.768	15.768	39208	0.12	0.97
2	RT:15.927	15.927	31647	0.10	0.98
4	RT:17.011	17.011	9703	0.03	1.05
5	RT:17.261	17.261	9050	0.03	1.07
Total			31997898	100.00	



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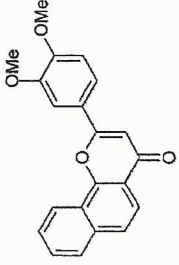
SOLVENT CDCl3
NS 32
DS 0
SWH 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799514 sec
RG 2050
DW 49.333 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDO 1

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3345498 MHz
SI 32768
SF 600.3300151 MHz
EM
WDW 0
SSB 0.30 Hz
LB 0
GB 0
PC 1.00



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