



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.: 22-409

Product: **3'-METHOXY-alpha-NAPHTHOFLAVONE**

Lot Number: 1212283

Chemical Formula: C₂₀H₁₄O₃

Molecular Weight: 302.33

Melting Point: 187-189°C

Appearance: White fluffy powder

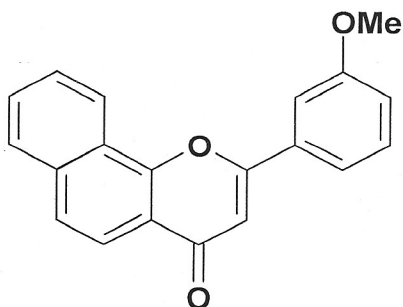
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC): 99.19%





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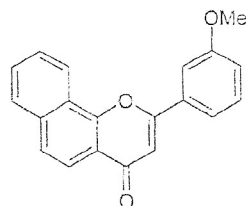
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HPLC ANALYSIS

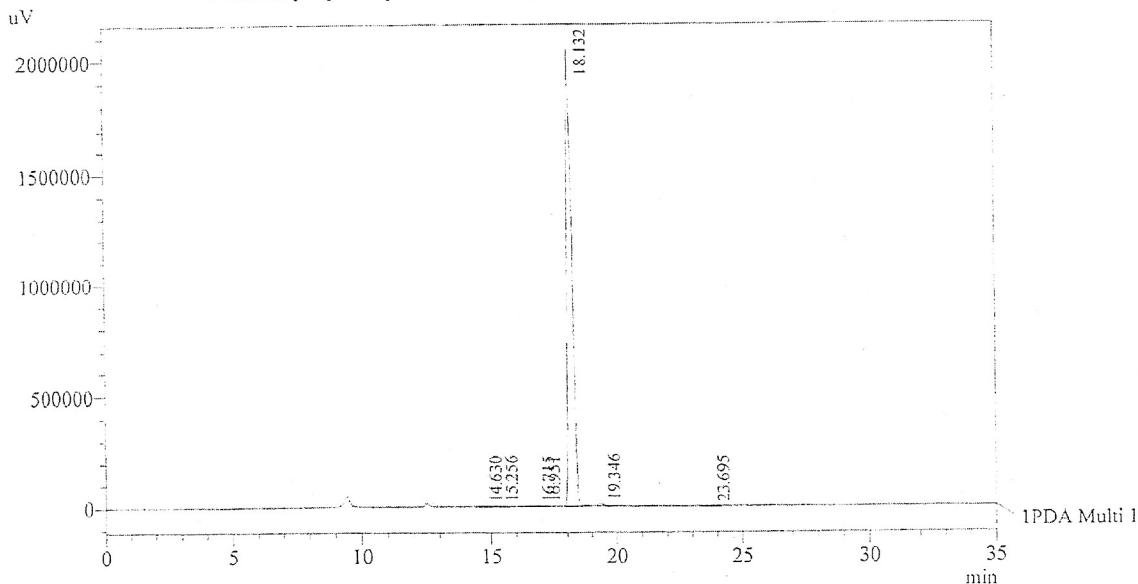
Acquired by : Sanjeev
 Sample Name : 3'-Methoxy-alpha-naphthoflavone
 Sample ID : 50gm Lot
 Injection Volume : 20 uL
 Data Filename : 071012H.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-409
 Product name: 3'-Methoxy- α -Naphthoflavone
 Lot No.: 1212283

Column : LUNA C-18(2), (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
 25.0 90 10
 35.0 90 10



Chromatogram
 3'-Methoxy-alpha-naphthoflavone D:\promonence\Data\2012\OCT-2012\071012H.lcd



1 PDA Multi 1 / 254nm 4nm

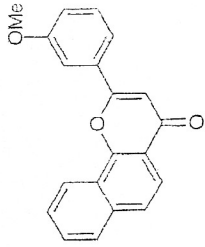
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.630	14.630	26848	0.09	0.81
2	RT:15.256	15.256	66091	0.23	0.84
3	RT:16.715	16.715	5629	0.02	0.92
4	RT:16.951	16.951	11587	0.04	0.93
5	3'-Methoxy-alpha-naphthoflav	18.132	28894220	99.19	1.00
6	RT:19.346	19.346	122568	0.42	1.07
7	RT:23.695	23.695	3559	0.01	1.31
Total			29130504	100.00	



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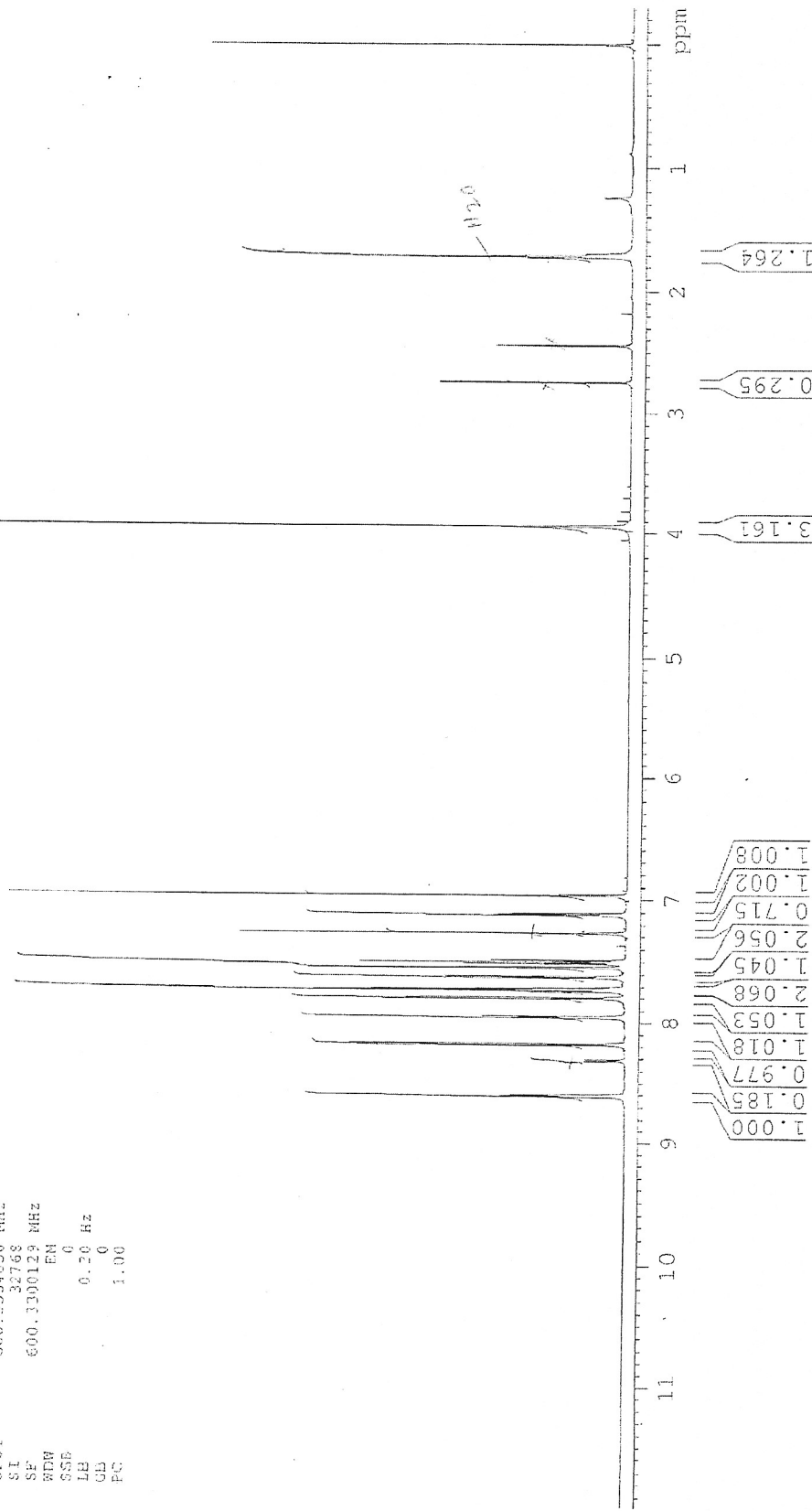
Catalog No.: 22-409
 Product name: 3'-Methoxy- α -Naphthoflavone
 Lot No.: 1212283



SOLVENT CDCL3
 NS 16
 DS 0
 SWH 13020.823 HZ
 FIDRES 0.434057 HZ
 AQ 1.1513732 sec
 RG 20.2
 DW 38.400 usec
 DE 6.00 usec
 TE 298.2 K
 CI 1.50000000 sec
 TEO 1

KM-09
 1H IN CDCL3
 AVANCE-600

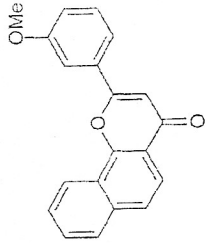
***** CHANNEL f1 *****
 NUCl 1H
 P1 7.50 usec
 PL1 2.60 dB
 PULP 6.62584448 W
 SFO1 600.1334650 MHz
 SI 32768
 SF 600.1300129 MHz
 MDW FN
 SSS 0
 LB 0.20 HZ
 GB 0
 PC 1.00





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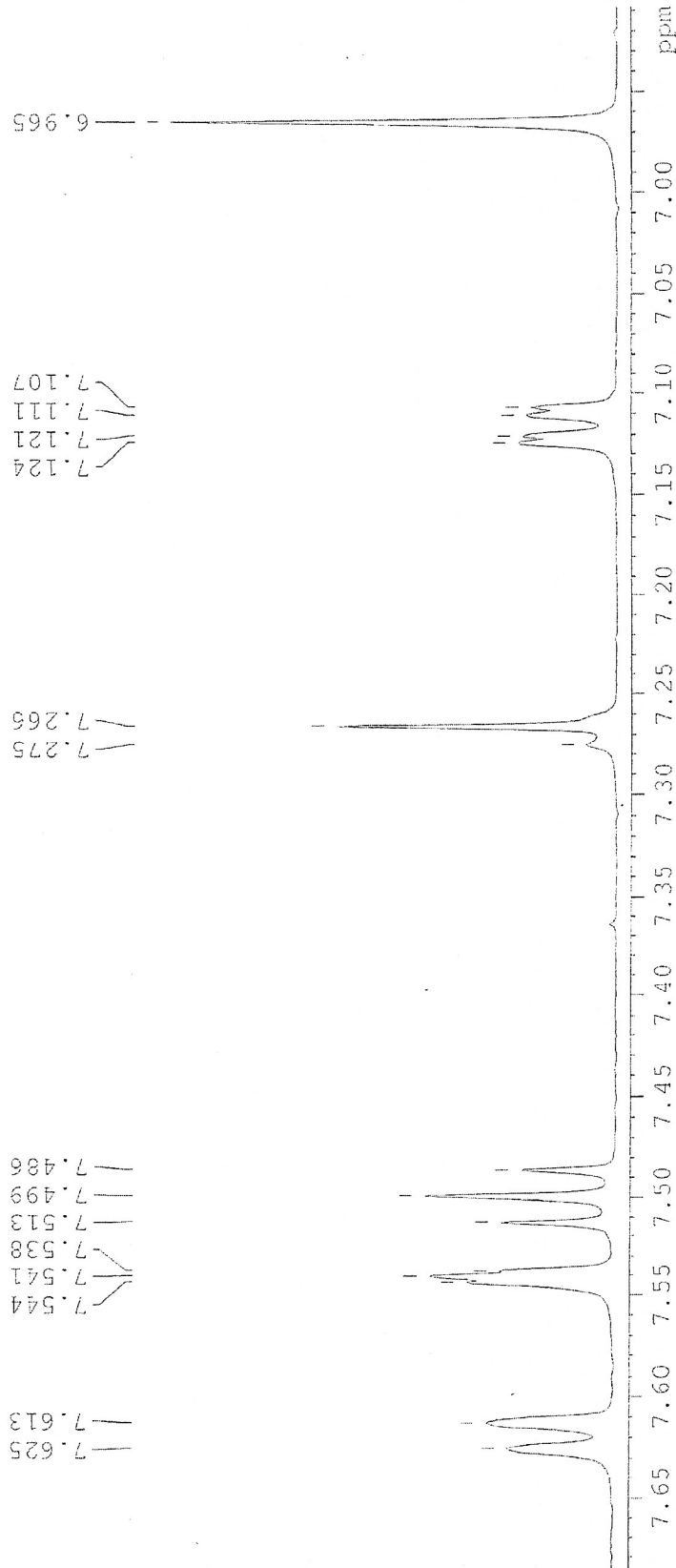
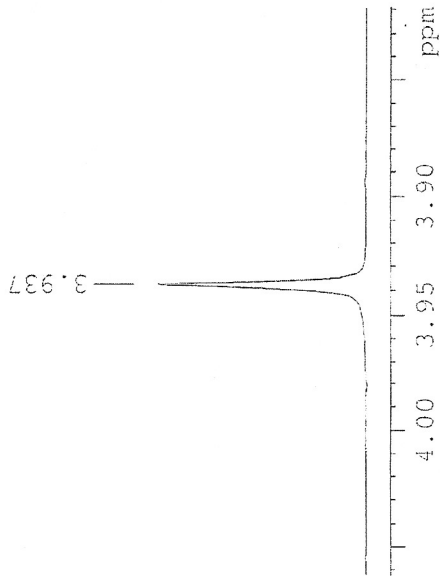
Catalog No.: 22-409
Product name: 3-Methoxy- α -Naphthoflavone
Lot No.: 1212283



SOLVENT CDCL3
NS 16
CS 0
SCH 13020.853 HZ
FIDRES 9.434957 HZ
AQ 1.1519732 sec
RG 20.2
DW 38.400 usec
DE 6.00 usec
TE 298.2 K
EI 1.50000000 sec
TD0 1

==== CHANNEL F1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.1330125 MHz
SI 32768
SF 600.1330125 MHz
EN
GB 0
LB 0
GC 0
PC 1.00

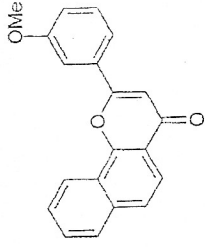
KM-09
1H IN CDCL3
AVANCE-600





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Catalog No.: 22-409
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Lot No.: 1212283



KM-09
1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
P1 1.6
DS 9
SMH 13020.823 Hz
FIDRES 0.434057 Hz
AQ 1.151972 sec
RG 20.2
LR 39.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 K
SFO1 600.3334550 MHz
S1 32788
SF 600.3330129 MHz
EM
SSB 0
LS 0.30 Hz
GB 0
PC 1.00

