



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-433

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

Lot Number: 96005

Chemical Formula: C₂₁H₁₆O₄

Molecular Weight: 332.34

Melting Point: 168-170°C

Appearance: White powder

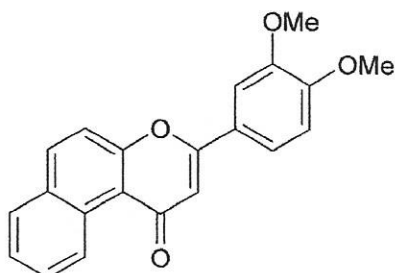
TLC: Hexane: Ethyl acetate (7:3)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.55%





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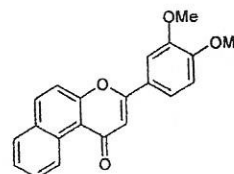
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HPLC ANALYSIS

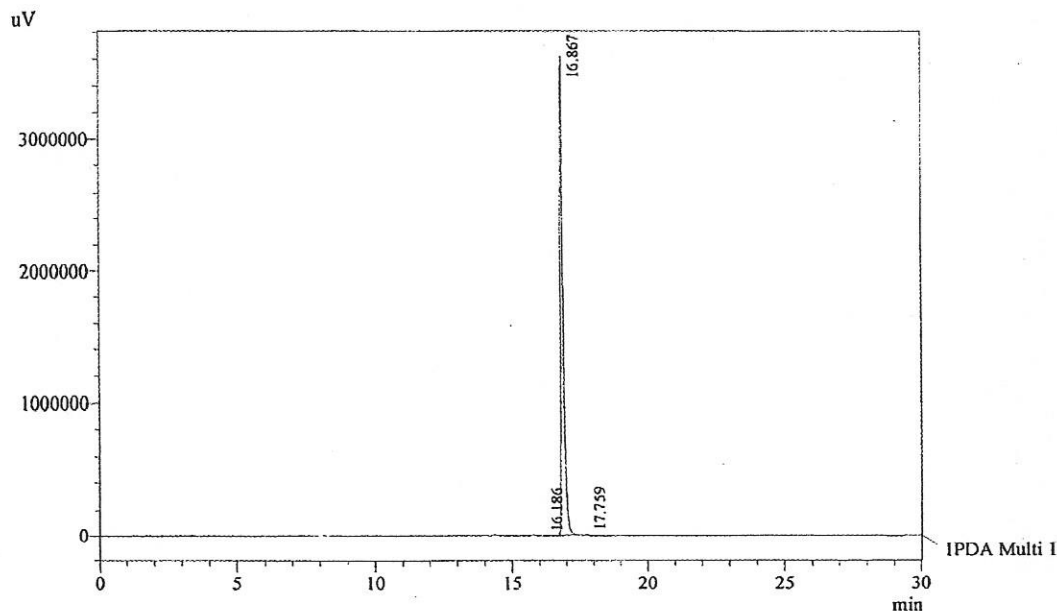
Acquired by : Sanjeev
Sample Name : 3',4'-Dimethoxy-beta-naphthoflavone
Sample ID : Lot No: 96005
Injection Volume : 20 uL
Data Filename : 170514K.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-433
Product Name: 3',4'-Dimethoxy-β-naphthoflavone
Lot No.: 96005



Column : Phenomenex Luna-C18 (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

Chromatogram



1 PDA Multi 1 / 254nm 4nm

PeakTable

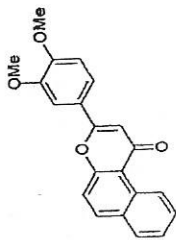
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:16.186	16.186	25926	0.10	0.96
2	3',4'-DiOMe-beta-naphthoflavon	16.867	24732374	99.55	1.00
3	RT:17.759	17.759	86149	0.35	1.05
Total			24844449	100.00	



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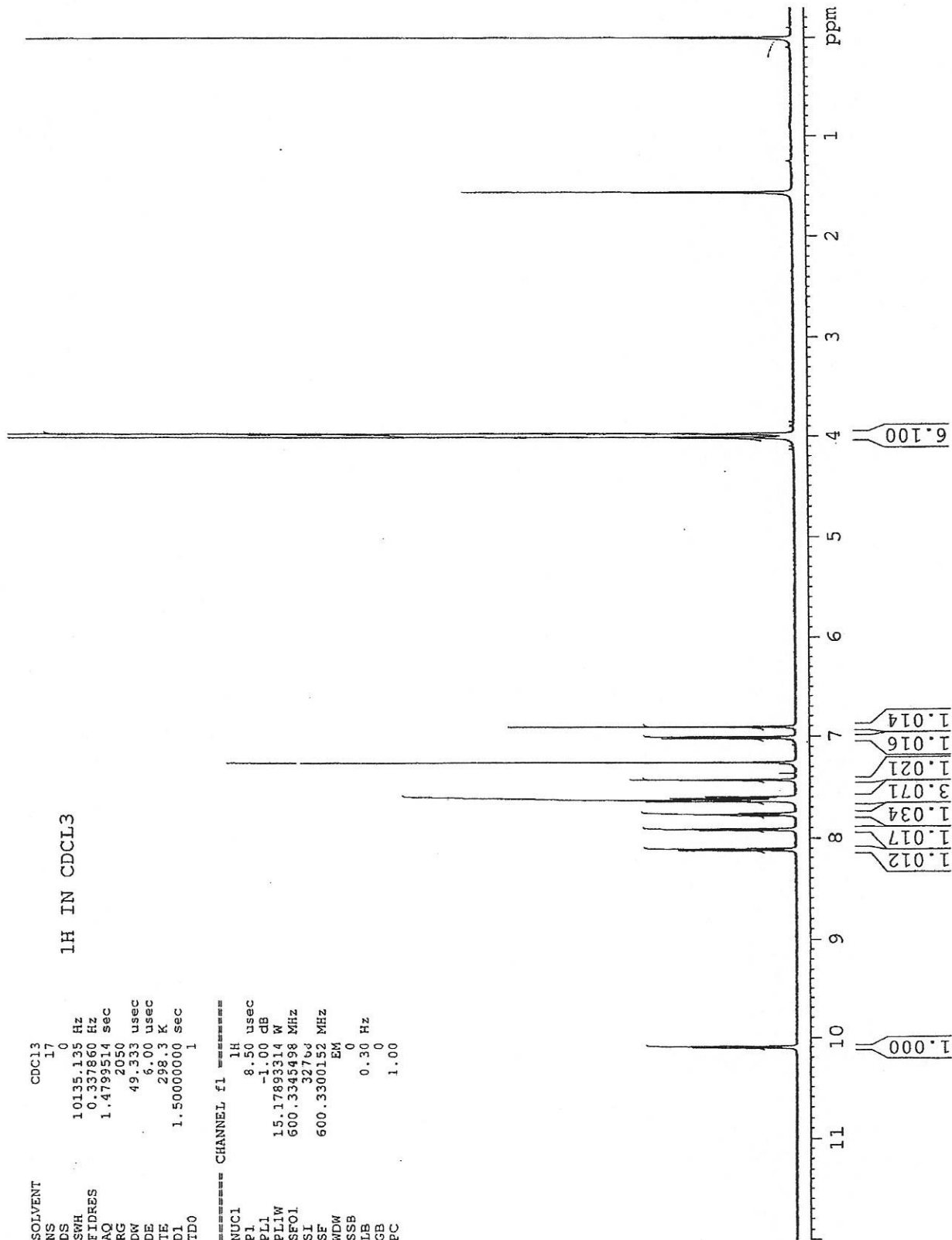
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Lot No.: 96005



SOLVENT CDC13
NS 17
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 298.3 K
DI 1.5000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
PI 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3345498 MHz
SI 327.94
SF 600.3300152 MHz
EM
WDW 0
SSB 0.30 Hz
LB 0
GB 0
PC 1.00

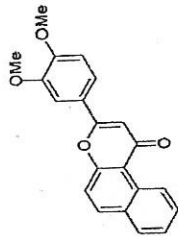
1H IN CDCL3





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Catalog No.: D-433
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SOLVENT CDCL3
 NS 17
 DS 0
 SWH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4799514 sec
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 DW 49.333 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.5000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 SI 32768
 SF 600.3300152 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN CDCL3

