



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.: M-405

Product: **2'-METHOXY- β -NAPHTHOFLAVONE**

Lot Number: 1212279

Chemical Formula: $C_{20}H_{14}O_3$

Molecular Weight: 302.33

Melting Point 190-192°C

Appearance: Off white color powder

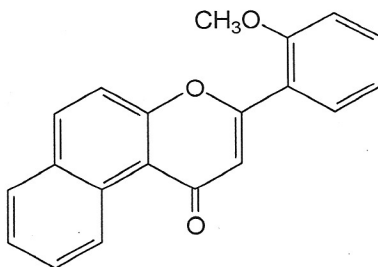
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool, dry place

Purity(HPLC): 99.68%





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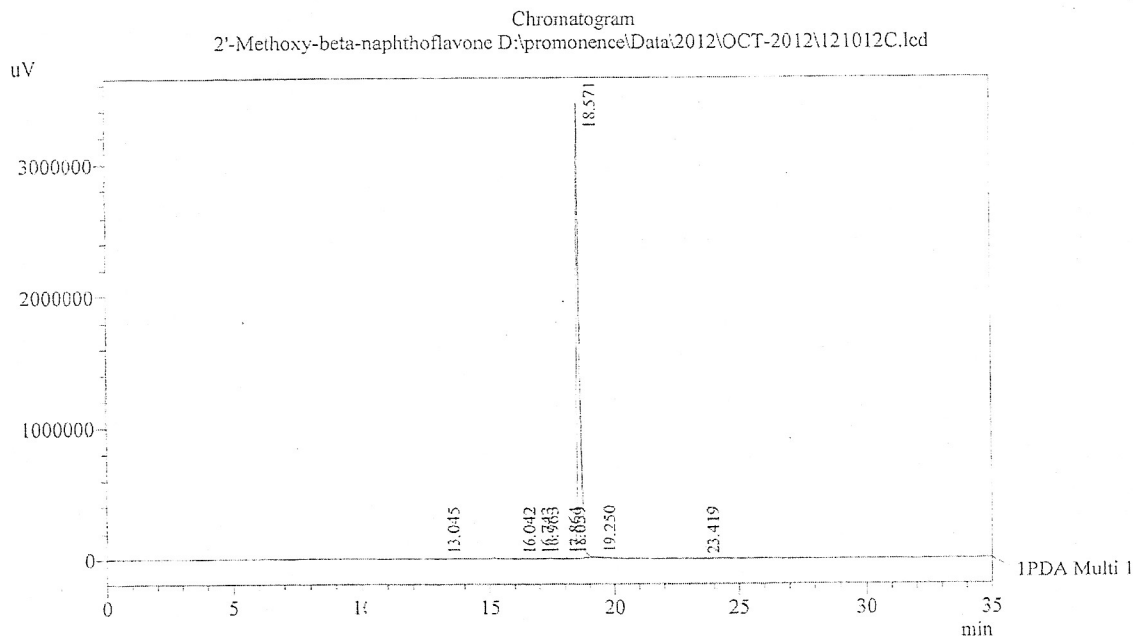
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2'-Methoxy-beta-naphthoflavone
 Sample ID : 13gm Lot (Herbororganics)
 Injection Volume : 20 uL
 Data Filename : 121012C.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: M-405
 Product name: 2'-Methoxy-β-naphthoflavone
 Lot No.: 1212279

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



PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.045	13.045	12589	0.05	0.70
2	RT:16.042	16.042	3856	0.01	0.86
3	RT:16.743	16.743	14203	0.05	0.90
4	RT:16.963	16.963	15232	0.06	0.91
5	RT:17.864	17.864	5620	0.02	0.96
6	RT:18.059	18.059	11066	0.04	0.97
7	2'-Methoxy-beta-naphthoflavone	18.571	26345900	99.68	1.00
8	RT:19.250	19.250	16957	0.06	1.04
9	RT:23.419	23.419	4281	0.02	1.26
Total			26429704	100.00	



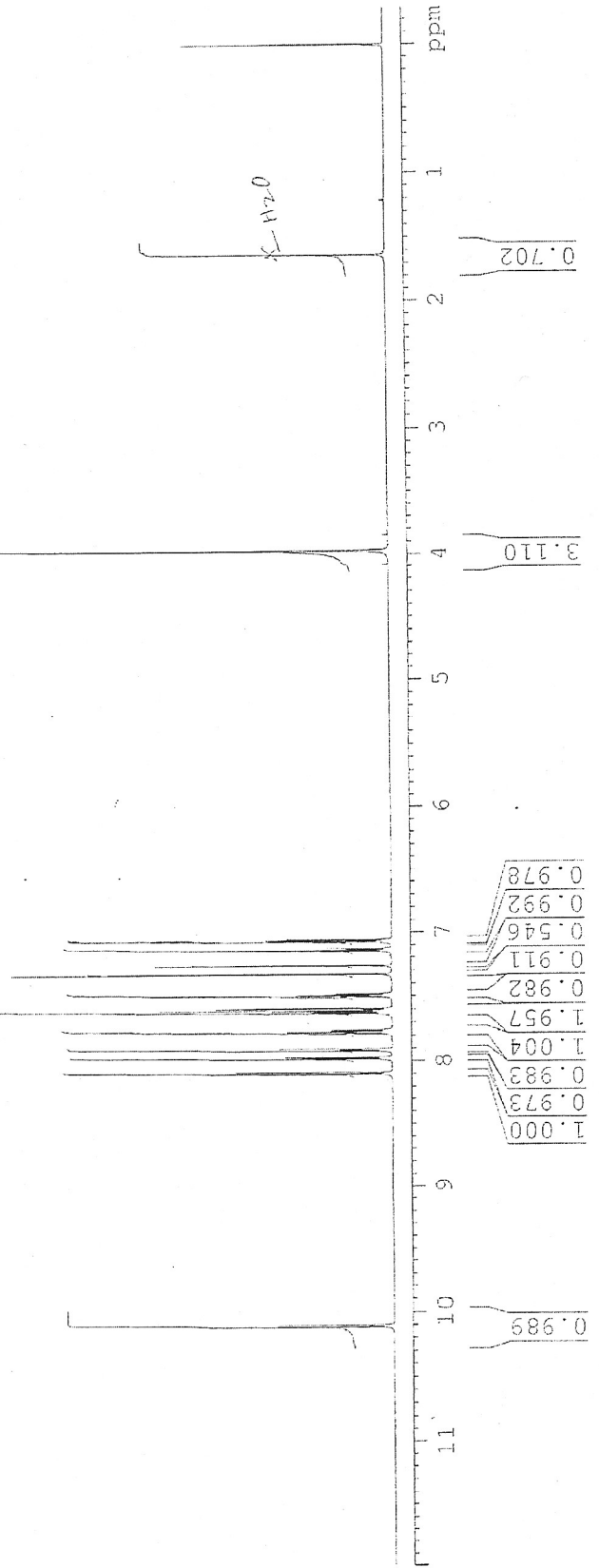
INDOFINE Chemical Company, Inc.
121 STRYKER LANE
BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

Catalog no.: M-405
Product name: 2'-Methoxy- β -naphthoflavone
Lot No.: 1212279

SOLVENT CDCL3
NS 16
ES 0
SRH 10330.575 Hz
FIDRES 0.344376 Hz
AQ 1.4519932 sec
RG 20.2
DG 49.400 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
PR1W 6.62594448 W
RF01 600.3341193 MHz
SI 32762
SF 600.3300143 MHz
WDW EM
SSB 0
LE 0.30 Hz
GB 0
PC 1.00

KM-25
1H IN CDCL3
AVANCE-600





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 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

Catalog no.: M-405
 Product name: 2'-Methoxy- β -naphthoflavone
 Lot No.: 1212279

KM-25
 1H IN CDCL3
 AVANCE-600

SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10330.578 Hz
 FIDRES 0.344376 Hz
 AQ 1.4519532 sec
 RG 20.2
 DE 48.400 usec
 RE 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
 PLK 6.62584448 W
 SFO1 600.334193 MHz
 SI 32769
 SF 600.3300143 MHz
 RFW EN
 SSB 0
 LS 0.30 Hz
 SE 0
 FC 1.00

