



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

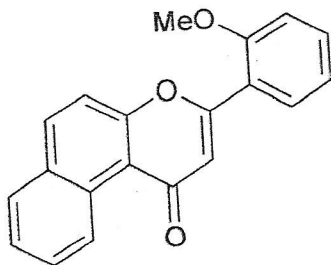
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	M-405
<u>Product Name:</u>	2'-METHOXY-β-NAPHTHOFLAVONE
<u>Lot Number:</u>	2MBNF389
<u>Chemical Formula:</u>	C ₂₀ H ₁₄ O ₃
<u>Molecular Weight:</u>	302.31
<u>Melting Point</u>	188-192°C
<u>Appearance:</u>	Off white powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool, dry place
<u>Purity(HPLC):</u>	99.53%



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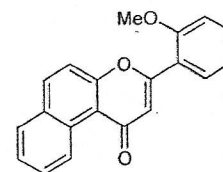
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HPLC ANALYSIS

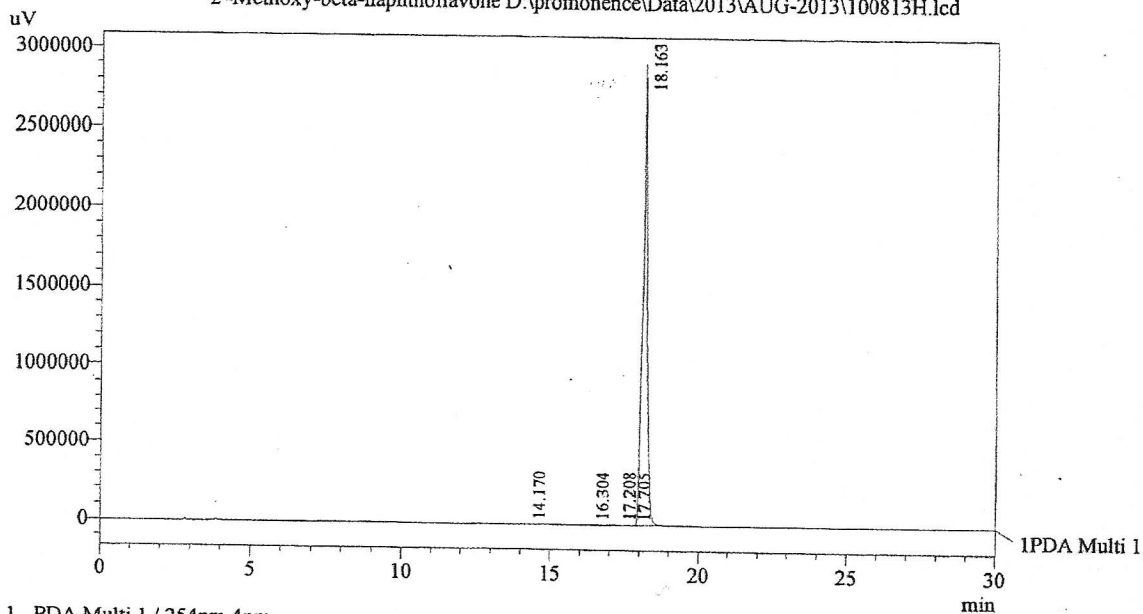
Acquired by : Sanjeev
 Sample Name : 2'-Methoxy-beta-naphthoflavone
 Sample ID : Lot No :2MBNF389
 Injection Volume : 20 uL
 Data Filename : 100813H.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: M-405
 Product Name: 2'-Methoxy-β-naphthoflavone
 Lot No.: 2MBNF389



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
 23.0 90 10
 30.0 90 10
 Diluent : Methanol

Chromatogram
 2'-Methoxy-beta-naphthoflavone D:\promonence\Data\2013\AUG-2013\100813H.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

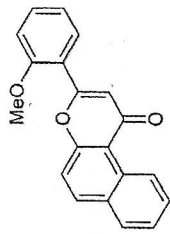
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.170	14.170	25866	0.08	0.78
2	RT:16.304	16.304	49676	0.16	0.90
3	RT:17.208	17.208	59581	0.19	0.95
4	RT:17.705	17.705	9578	0.03	0.97
5	2'-OMe-beta-naphthoflavone	18.163	30602085	99.53	1.00
Total			30746786	100.00	



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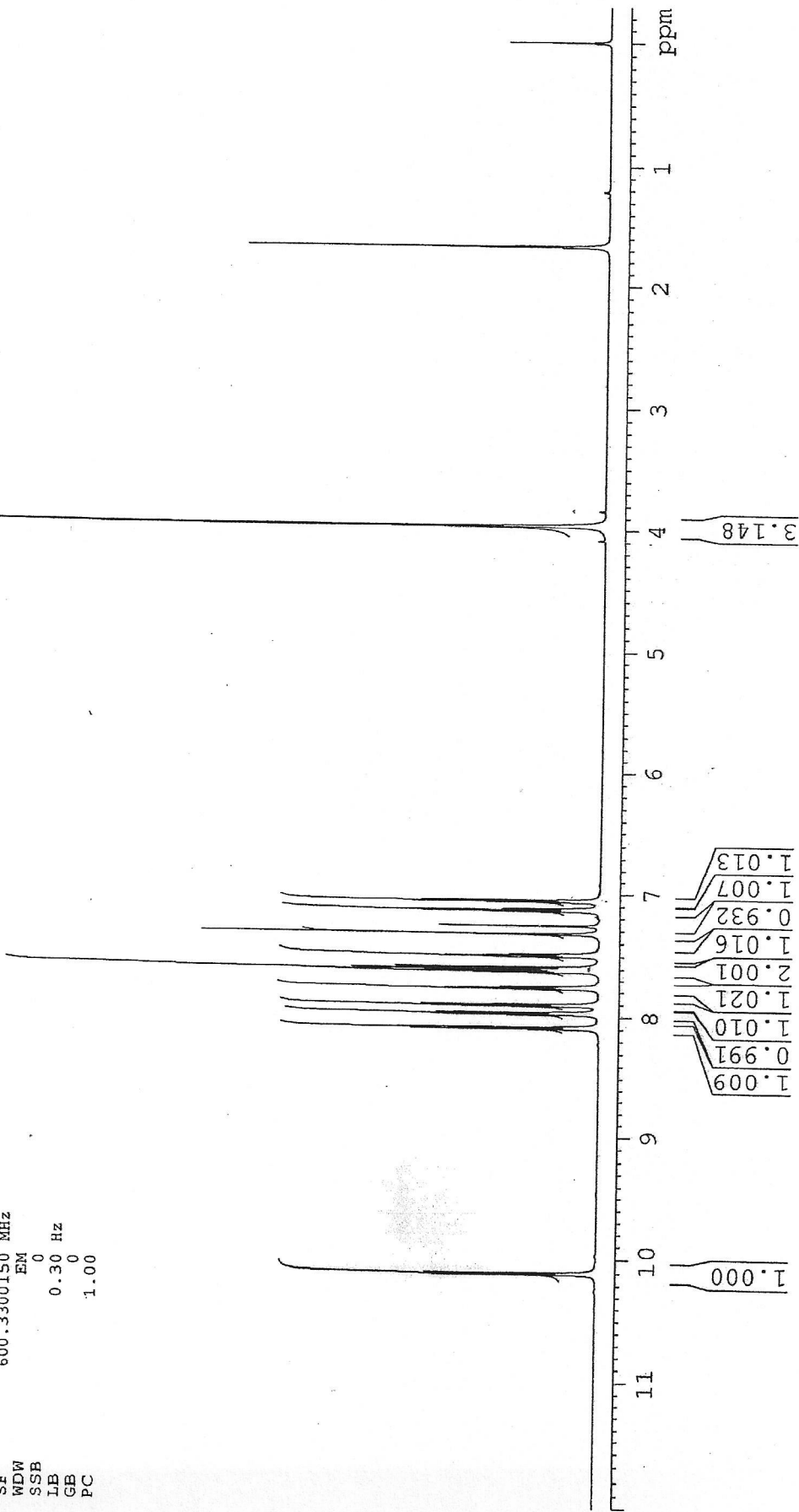
Catalog No.: M-405
Product Name: 2-Methoxy- β -naphthoflavone
Lot No.: 2MBNF389



SOLVENT CDC13
NS 10
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 20.2
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

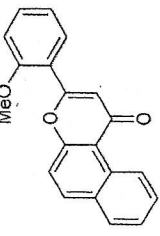
CHANNEL f1
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3345228 MHz
CT 32768
SF 600.3300150 MHz
EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Catalog No.: M-405
 Product Name: 2-Methoxy- β -naphthoflavone
 Lot No.: 2MBNF389



SOLVENT CDCL3
 NS 10
 DS 0
 SWH 9803.922 Hz
 FIDRES 0.326819 Hz
 AQ 1.5299480 sec
 RG 20.2
 DW 51.000 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
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300150 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

