

ICG **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.: 22-410

Product: **alpha-NAPHTHOFLAVANONE**

Lot Number: 1212284

Chemical Formula: C₁₉H₁₄O₂

Molecular Weight: 274.32

Melting Point: 127-129°C

Appearance: Off white powder

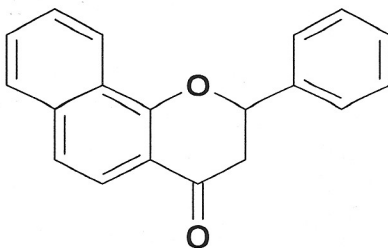
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC): 99.64%





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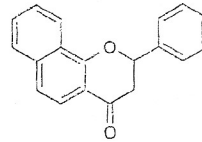
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HPLC ANALYSIS

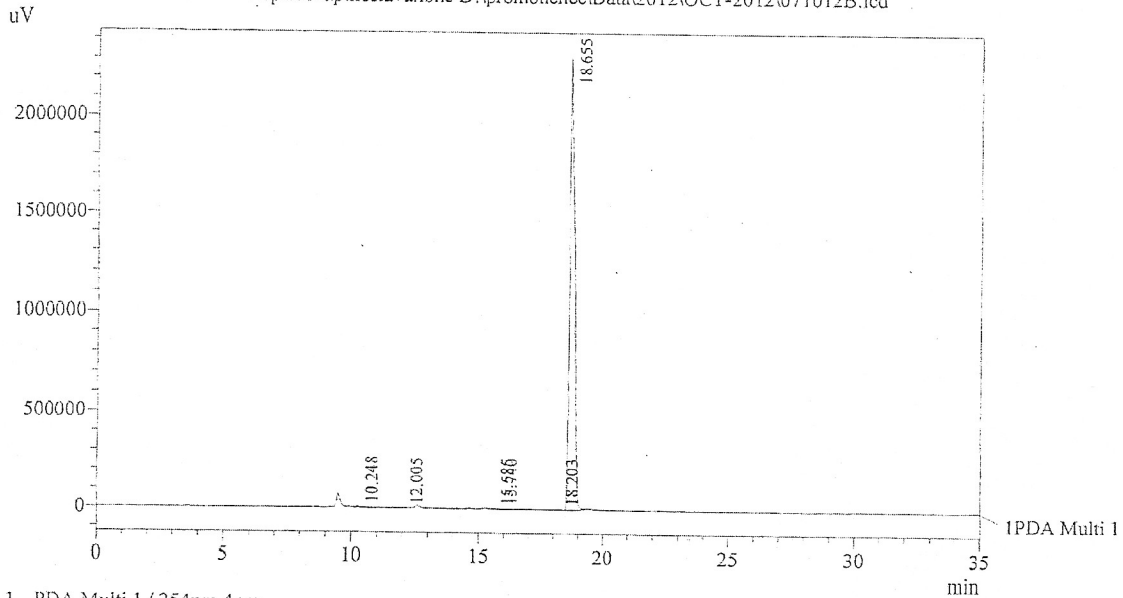
Acquired by : Sanjeev
 Sample Name : Alpha-Napthoflavanone
 Sample ID : 100gm Lot (Herborganics)
 Injection Volume : 20 uL
 Data Filename : 071012B.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-410
 Product name: α -Naphthoflavanone
 Lot No.: 1212284



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
 Alpha-Napthoflavanone D:\promonence\Data\2012\OCT-2012\071012B.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

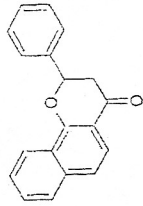
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.248	10.248	52805	0.17	0.55
2	RT:12.005	12.005	8212	0.03	0.64
3	RT:15.585	15.585	5539	0.02	0.84
4	RT:15.740	15.740	13377	0.04	0.84
5	RT:18.203	18.203	28058	0.09	0.98
6	Alpha-Napthoflavanone	18.655	30227950	99.64	1.00
Total			30335942	100.00	



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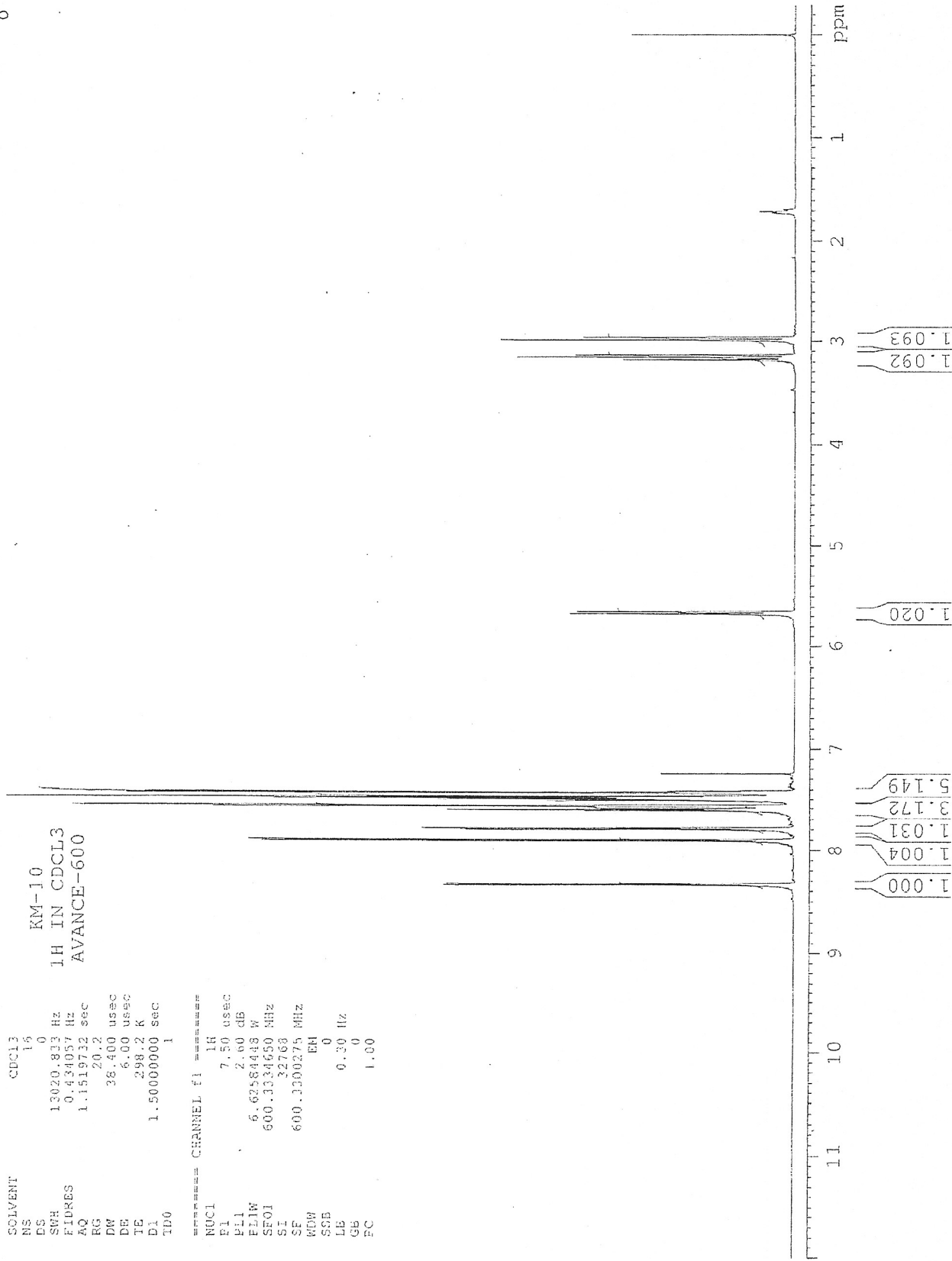
Catalog No.: 22-410
 Product name: α -Naphthoflavanone
 Lot No.: 1212284



KM-10
 1H IN CDCL3
 AVANCE-600

SOLVENT CDCL3
 NS 15
 DS 0
 SWH 13020.833 Hz
 FIDRES 0.434057 Hz
 AQ 1.1519732 sec
 RG 20.2
 DW 36.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

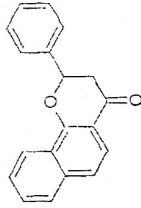
***** CHANNEL f1 *****
 NUC1 1H
 F1 7.50 usec
 PL1 2.60 dB
 ELW 6.62584448 W
 SF01 600.3334650 MHz
 SI 32768
 SF 600.3300275 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 EC 1.00





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 Lot No.: 1212284



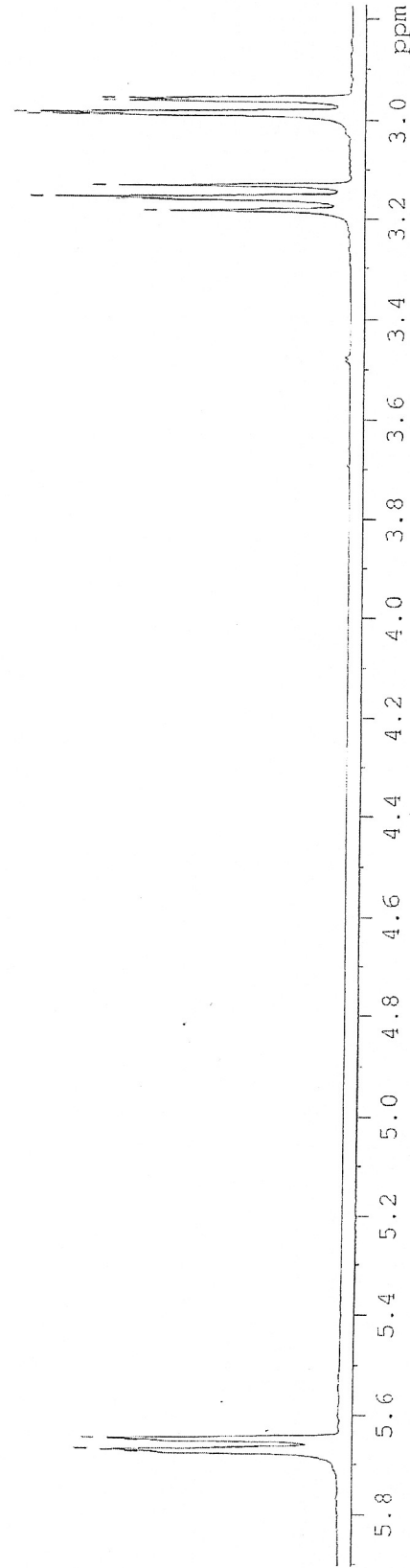
SOLVENT CDCL3
 NS 16
 DS 0
 SWH 13820.833 Hz
 FIDRES 0.434057 Hz
 AQ 1.1519732 sec
 RG 20.2
 DW 38.400 usec
 DE 6.00 usec
 TE 298.2 K
 CJ 1.5000000 sec
 TD0 1

KM-10
 1H IN CDCL3
 AVANCE-600

***** CHANNEL f1 *****
 NU01 1H
 F1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 R
 SF01 600.3334650 MHz
 S1 32.768
 SF 600.3300275 MHz
 EM 0
 WDW 0
 SSB 0.30 Hz
 LB 0
 GB 0
 PC 1.00

5.674
 5.670
 5.651
 5.647

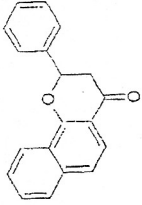
3.184
 3.161
 3.156
 3.133
 2.989
 2.985
 2.962
 2.957





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Lot No.: 1212284



SOVENT CDCL3
NS 16
DS 0
SKH 13020.833 Hz
EPRRES 67434057 Hz
AQ 1.1519732 sec
RG 20.2
DW 36.400 usec
DE 6.00 usec
TE 298.2 K
EI 1.50000000 sec
TDO 1

KM-10
1H IN CDCL3
AVANCE-600

===== CHANNEL F1 =====
NUC1 1H
EI 7.50 usec
E11 2.60 dB
FLW 6.62564443 W
SFO1 600.3334650 MHz
SI 32768
SF 600.3300275 MHz
GUM EM
SSB 0
LB 0.30 Hz
GE 0
FC 1.00

