



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: 19-368

Product Name: **3(3'-BROMOPHENYL)-4-PHENYLCOUMARIN**

Lot Number: 0012307

Chemical Formula: C₂₁H₁₃BrO₂

Molecular Weight: 377.24

Melting Point: 208-215°C

Appearance: Off White powder

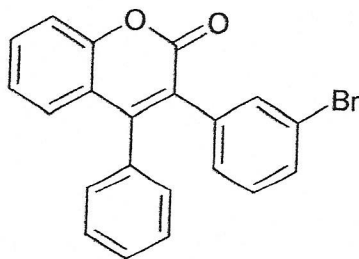
Solubility: Soluble in Chloroform

TLC: Hexane: Ethyl acetate (9:1) - not single

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 92.59%





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

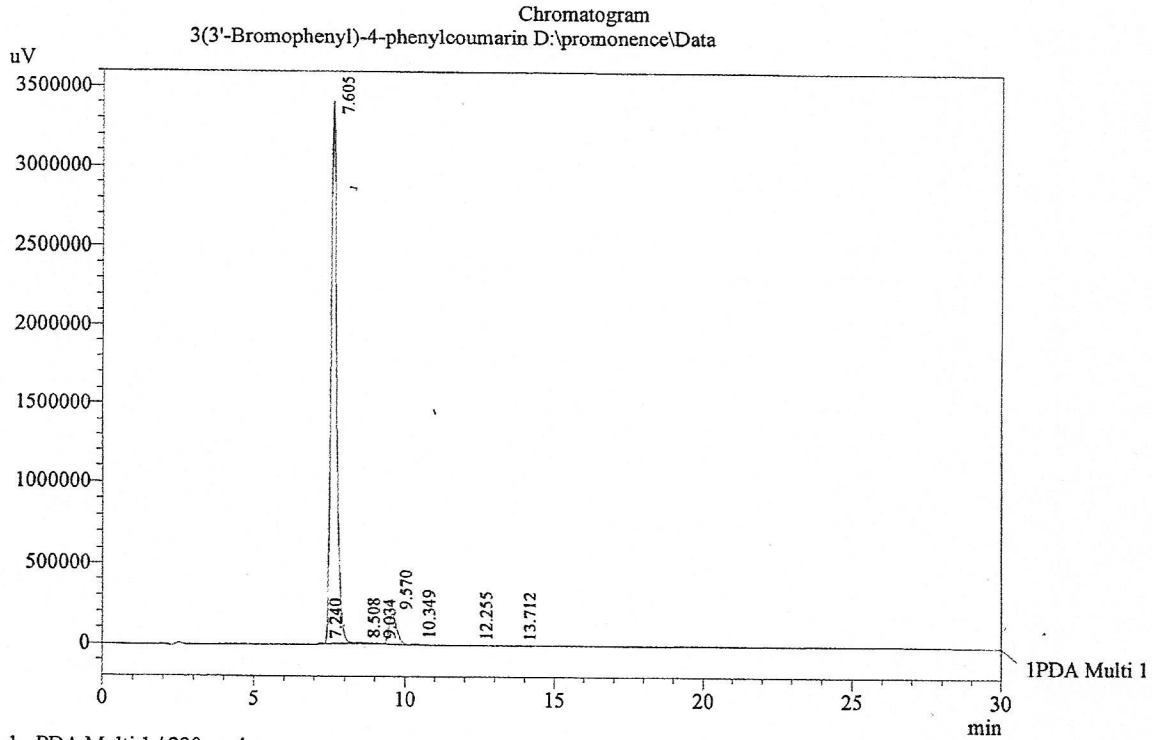
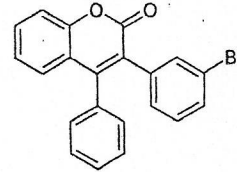
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3(3'-Bromophenyl)-4-phenylcoumarin
Sample ID : Lot No:0012307
Injection Volume : 20 uL
Data Filename : 290813E.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-368
Product Name: 3(3'-Bromophenyl)-4-phenylcoumarin
Lot No.: 0012307

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(20% of 0.05% TFA in water) B(80% of Acetonitrile)
Diluent : Acetonitrile



1 PDA Multi 1 / 220nm 4nm

PeakTable

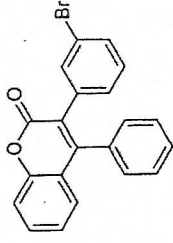
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:7.240	7.240	43104	0.09	0.95
2	RT:7.605	7.605	44359614	92.59	1.00
3	RT:8.508	8.508	40346	0.08	1.12
4	RT:9.034	9.034	12008	0.03	1.19
5	RT:9.570	9.570	3260666	6.81	1.26
6	RT:10.349	10.349	116312	0.24	1.36
7	RT:12.255	12.255	59675	0.12	1.61
8	RT:13.712	13.712	18337	0.04	1.80
Total			47910062	100.00	



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

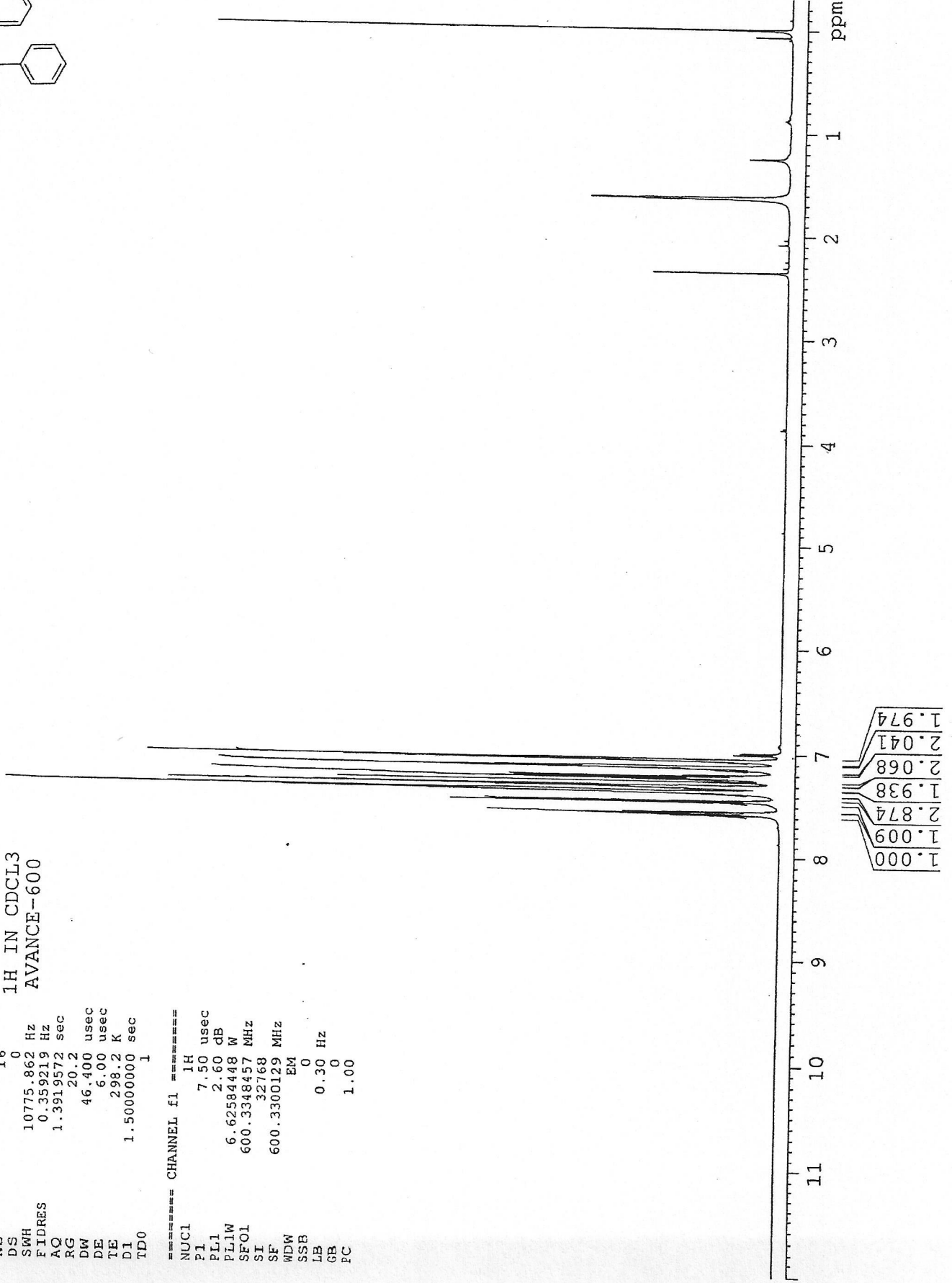
Catalog No.: 19-368
Product Name: 3(3'-Bromophenyl)-4-phenylcoumarin
Lot No.:



SOLVENT CDC13
NS 16
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 20.2
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

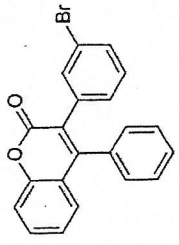
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFOL 600.3348457 MHz
SI 32768
SF 600.3300129 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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

Catalog No.: 19-368
 Product Name: 3(3'-Bromophenyl)-4-phenylcoumarin
 Lot No.: 0012307



1H IN CDCL3
 AVANCE-600

SOLVENT CDC13
 NS 16
 DS 0
 SWH 10775.862 Hz
 FIDRES 0.359219 Hz
 AQ 1.3919572 sec
 RG 20.2
 DW 46.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TDO 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300129 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

