



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Catalog Number: 19-337

Product Name: **3(3'-BROMOPHENYL)COUMARIN**

Lot Number: 0010247

Chemical Formula: C<sub>15</sub>H<sub>9</sub>BrO<sub>2</sub>

Molecular Weight: 301.14

Melting Point: 180-182°C

Appearance: Off white powder

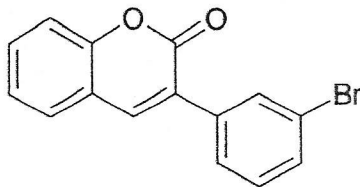
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.75%





# 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

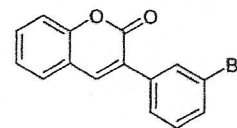
website: [www.indofinechemical.com](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

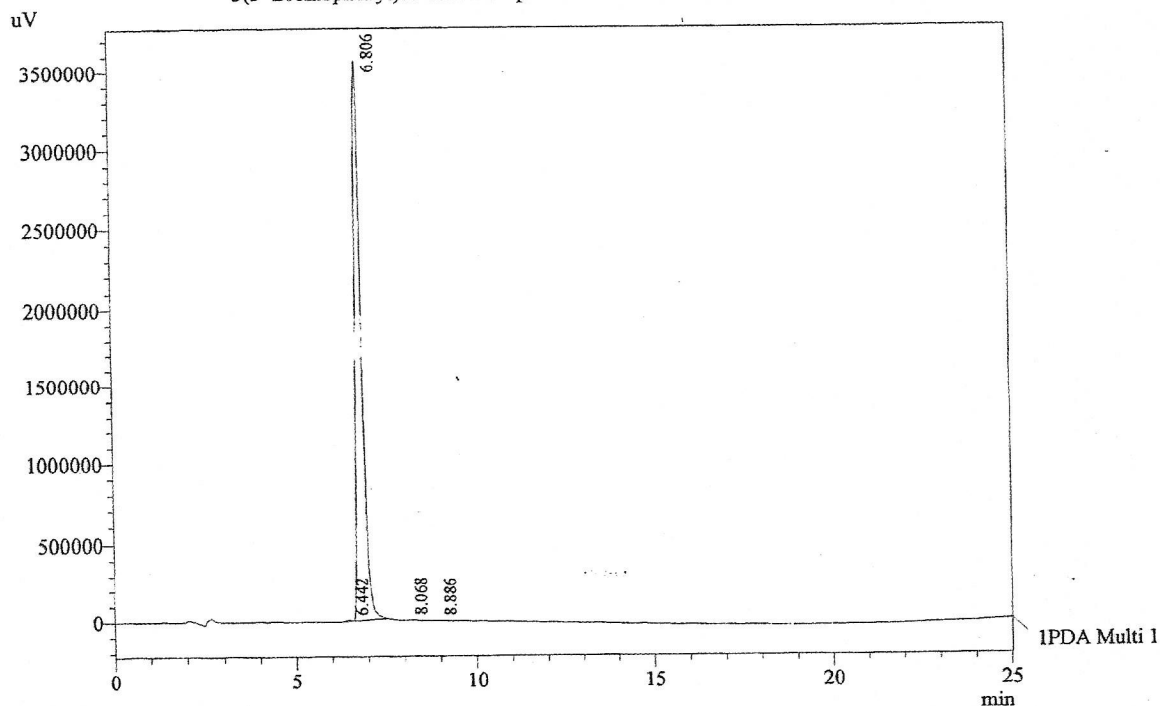
Acquired by : Sanjeev  
Sample Name : 3(3'-Bromophenyl)coumarin  
Sample ID : Lot No: 0010247  
Injection Volume : 20 uL  
Data Filename : 1308130.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-337  
Product Name: 3(3'-Bromophenyl)coumarin  
Lot No.: 0010247



Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(20% of 0.1% TFA in water) B(80% of Acetonitrile)

Chromatogram  
3(3'-Bromophenyl)coumarin D:\promonence\Data\2013\AUG-2013\1308130.lcd



1 PDA Multi 1 / 220nm 4nm

PeakTable

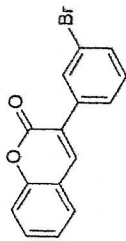
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:6.442	6.442	67189	0.15	0.95
2	3(3'-Bromophenyl)coumarin	6.806	43706763	99.75	1.00
3	RT:8.068	8.068	34923	0.08	1.19
4	RT:8.886	8.886	9060	0.02	1.31
Total			43817935	100.00	



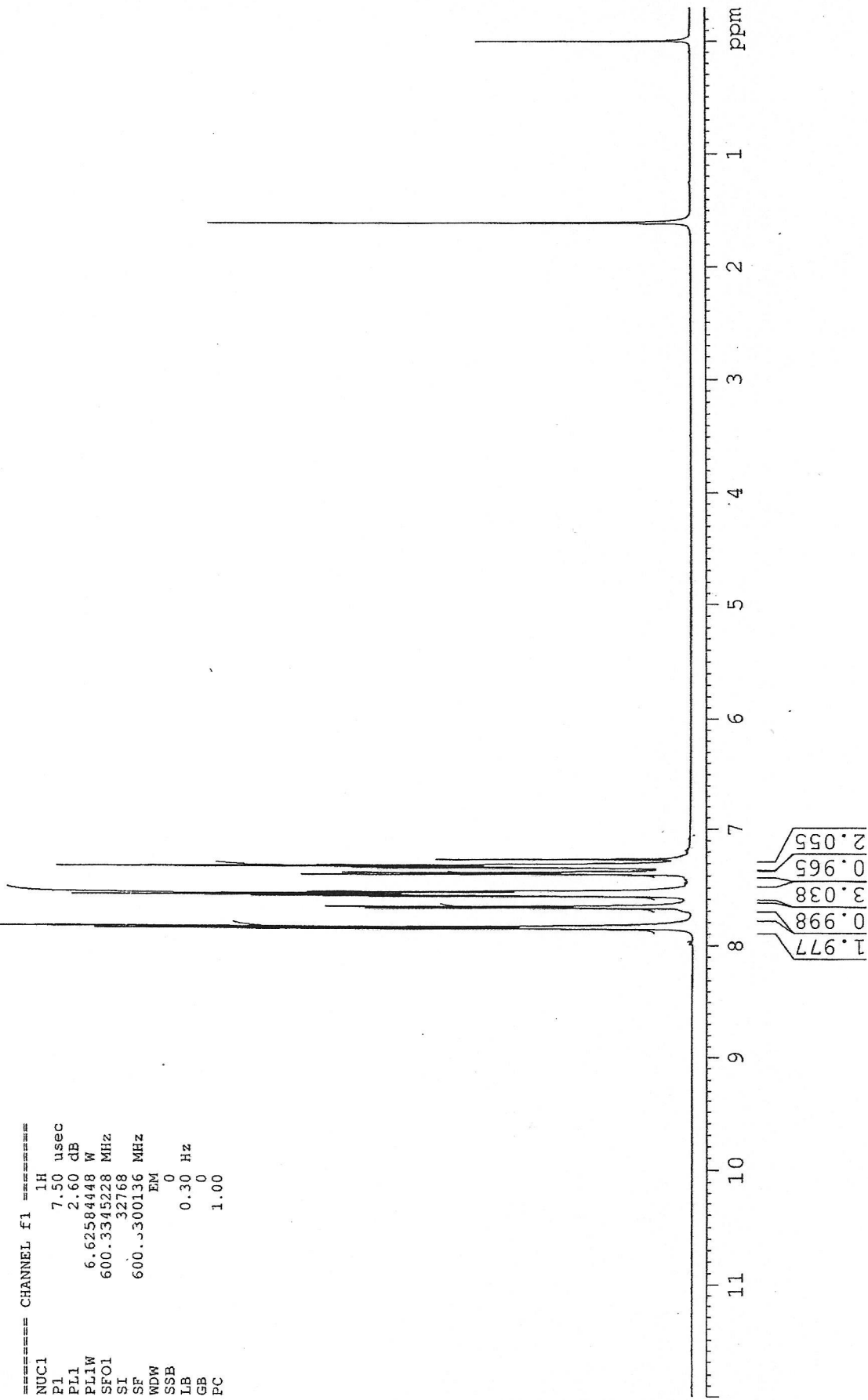
INDOFINE Chemical Company, Inc.  
 121 STRYKER LANE  
 BLDG. 30, SUITE 1  
 HILLSBOROUGH, NJ 08844

Catalog No.: 19-337  
 Product Name: 3(3'-Bromophenyl)coumarin  
 Lot No.: 0010247



SOLVENT CDC13  
 NS 7  
 DS 0  
 SWH 1H IN CDCL3  
 FIDRES 9803.922 Hz AVANCE-600  
 AQ 0.326819 Hz  
 RG 1.5299480 sec  
 DW 20.2  
 DE 51.000 usec  
 TE 6.00 usec  
 D1 298.2 K  
 TD0 1.50000000 sec  
 TDO 1

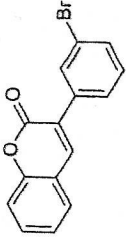
==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 32768  
 SF 600.3300136 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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

Catalog No.: 19-337  
 Product Name: 3(3-Bromophenyl)coumarin  
 Lot No.: 0010247



SOLVENT CDCL3  
 NS 7  
 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  
 SI 32768  
 SF 600.3300136 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

