



# 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: 25-073

Product Name: 4'-BROMO-2(PHENYLSULFONYL)ACETOPHENONE

Lot Number: 0008199

Chemical Formula: C<sub>14</sub>H<sub>11</sub>BrO<sub>3</sub>S

Molecular Weight: 339.21

Melting Point: 136-139°C

Appearance: Dark cream powder

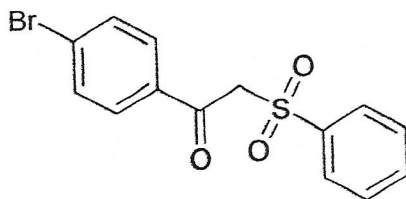
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.27%





# 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

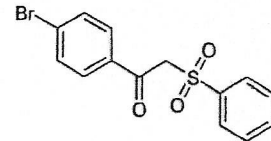
website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 4'-Bromo-2(phenyl sulfonyl)acetophenone  
Sample ID : Lot No:0008199  
Injection Volume : 20 uL  
Data Filename : 310813B.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: 25-073  
Product Name: 4'-Bromo-2(phenyl sulfonyl)acetophenone  
Lot No.: 0008199

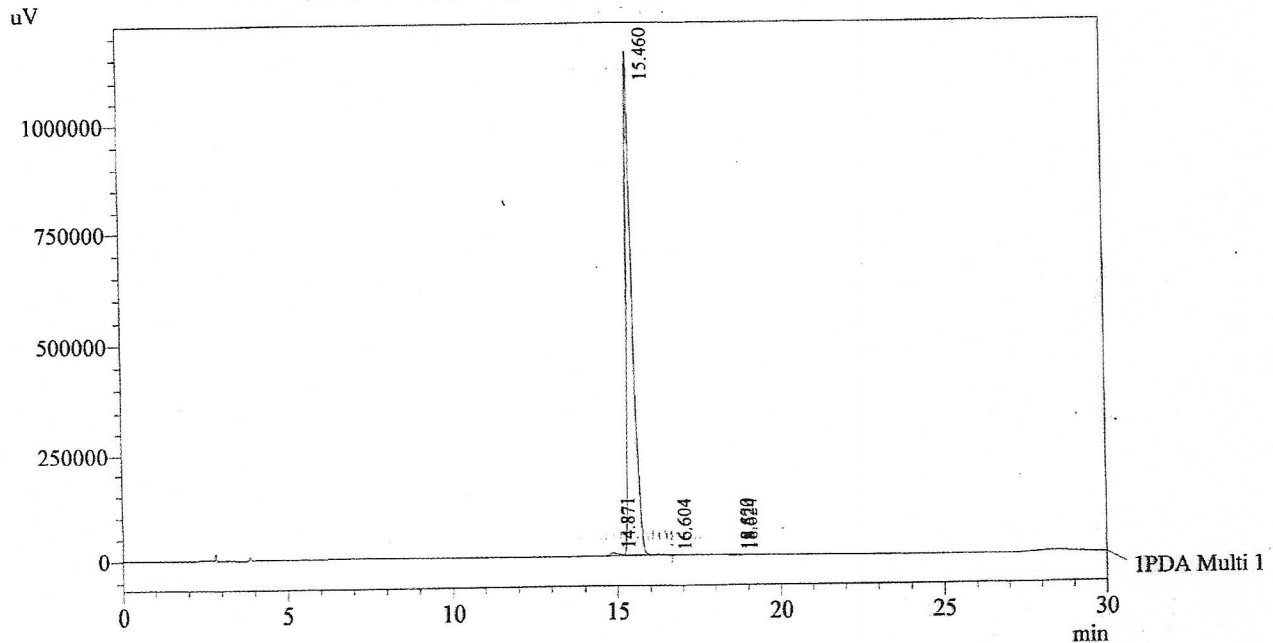


Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(0.1% OPA in water) B(Acetonitrile)  
0.01 90 10  
12.0 10 90  
20.0 10 90  
23.0 90 10  
30.0 90 10

Diluent : Methanol

### Chromatogram

4'-Bromo-2(phenyl sulfonyl)acetophenone D:\promonence\Data\2013\AUG-2013\310813B.lcd



1 PDA Multi 1 / 254nm 4nm

### PeakTable

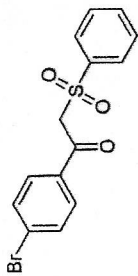
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.871	14.871	90889	0.61	0.96
2	RT:15.460	15.460	14695573	99.27	1.00
3	RT:16.604	16.604	1496	0.01	1.07
4	RT:18.520	18.520	11638	0.08	1.20
5	RT:18.624	18.624	4523	0.03	1.20
Total			14804119	100.00	



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

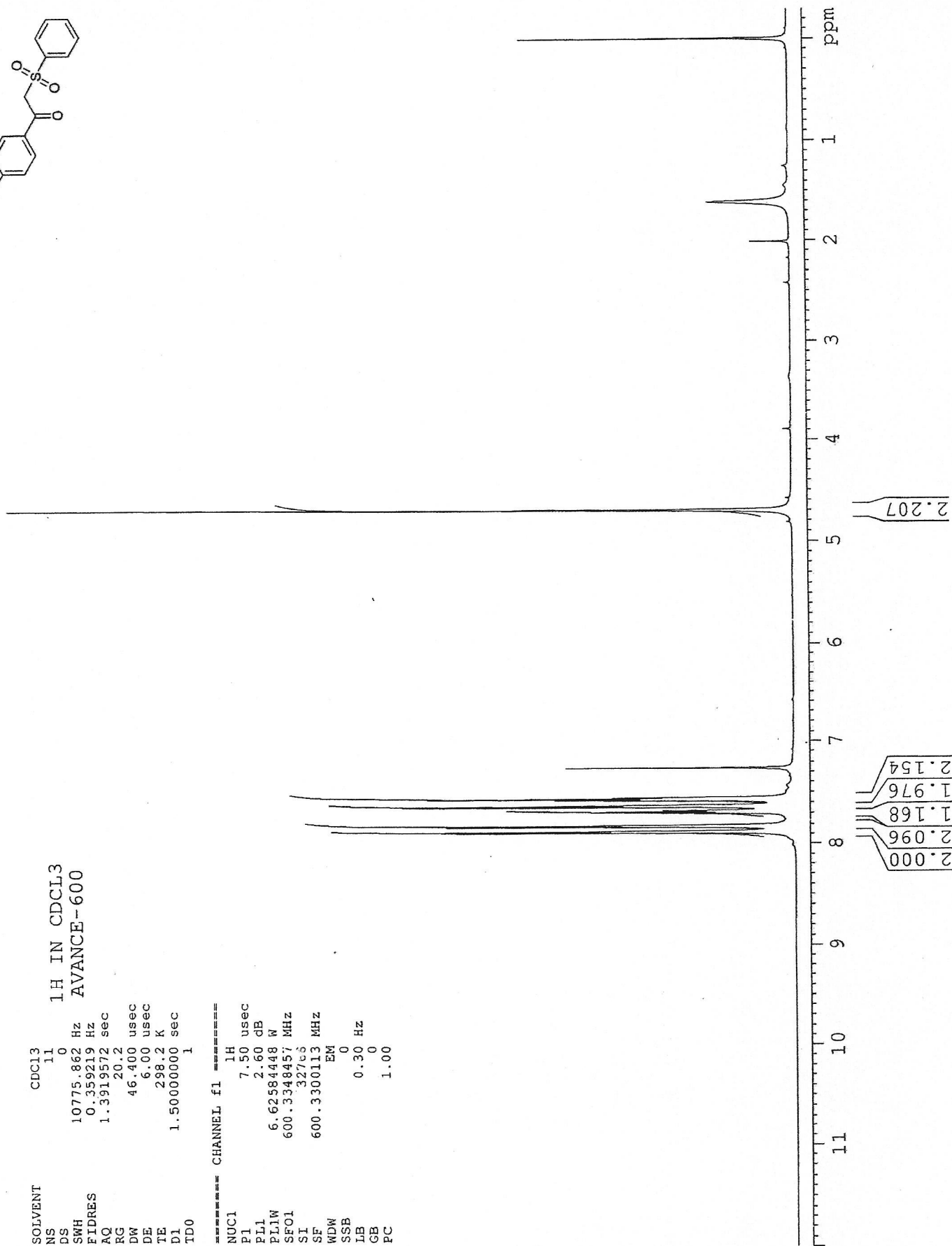
Catalog No.: 25-073  
 Product Name: 4'-Bromo-2(phenyl sulfonyl)acetophenone  
 Lot No.: 0008199



SOLVENT CDCL3  
 NS 11  
 DS 0  
 SWH 10775.862 Hz  
 FIDRES 0.359219 Hz  
 AQC 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 6.62384448 W  
 SF01 600.3348457 MHz  
 SI 327cs  
 SF 600.3300113 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00



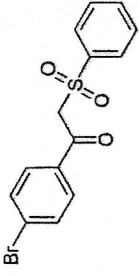


INDOFINE Chemical Company, Inc.  
 121 STRYKER LANE  
 BLDG. 30, SUITE 1  
 HILLSBOROUGH, NJ 08844

Catalog No.: 25-073

Product Name: 4'-Bromo-2-(phenyl sulfonyl)  
 acetophenone

Lot No.: 0008199



SOLVENT CDCL3  
 NS 11  
 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  
 SF01 600.3348457 MHz  
 SI 32768  
 SF 600.3300113 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

