



# 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: 25-033

Product Name: **4(4-BROMOPHENYL)-1(2H) PHTHALAZINONE**

CAS Number: [76462-38-9]

Lot Number: 000490

Chemical Formula: C<sub>14</sub>H<sub>9</sub>BrN<sub>2</sub>O

Molecular Weight: 301.14

Melting Point: 270-273°C

Appearance: White powder

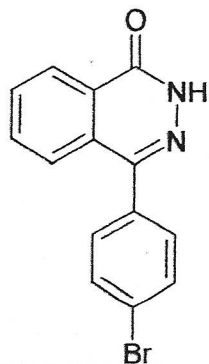
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 98.64%





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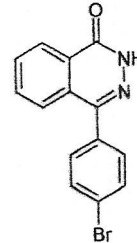
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## HPLC ANALYSIS

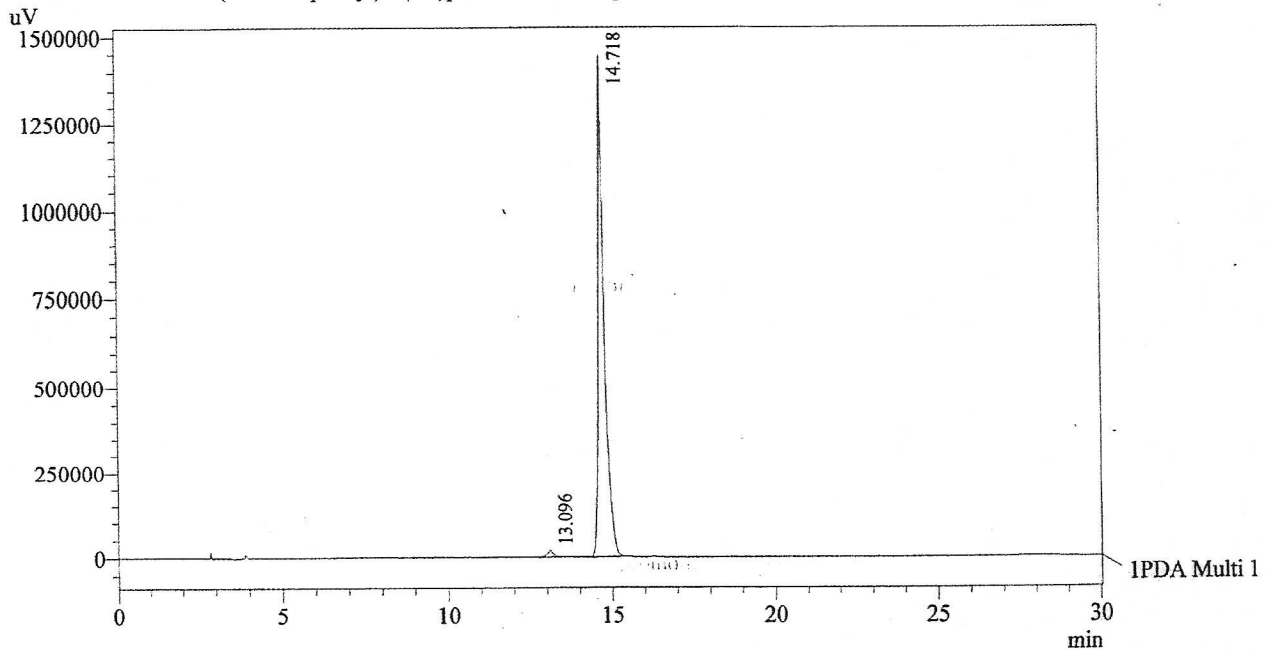
Acquired by : Sanjeev  
 Sample Name : 4-(4-Bromophenyl)-1(2H)phthalazinone  
 Sample ID : Lot No:000490  
 Injection Volume : 20 uL  
 Data Filename : 310813C.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 25-033  
 Product Name: 4-(4-Bromophenyl)-1(2H)  
 phthalazinone  
 Lot No.: 000490



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-(4-Bromophenyl)-1(2H)phthalazinone D:\promonence\Data\2013\AUG-2013\310813C.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

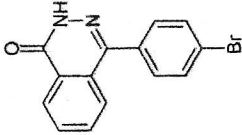
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.096	13.096	243081	1.26	0.89
2	RT:14.718	14.718	19111790	98.74	1.00
Total			19354871	100.00	



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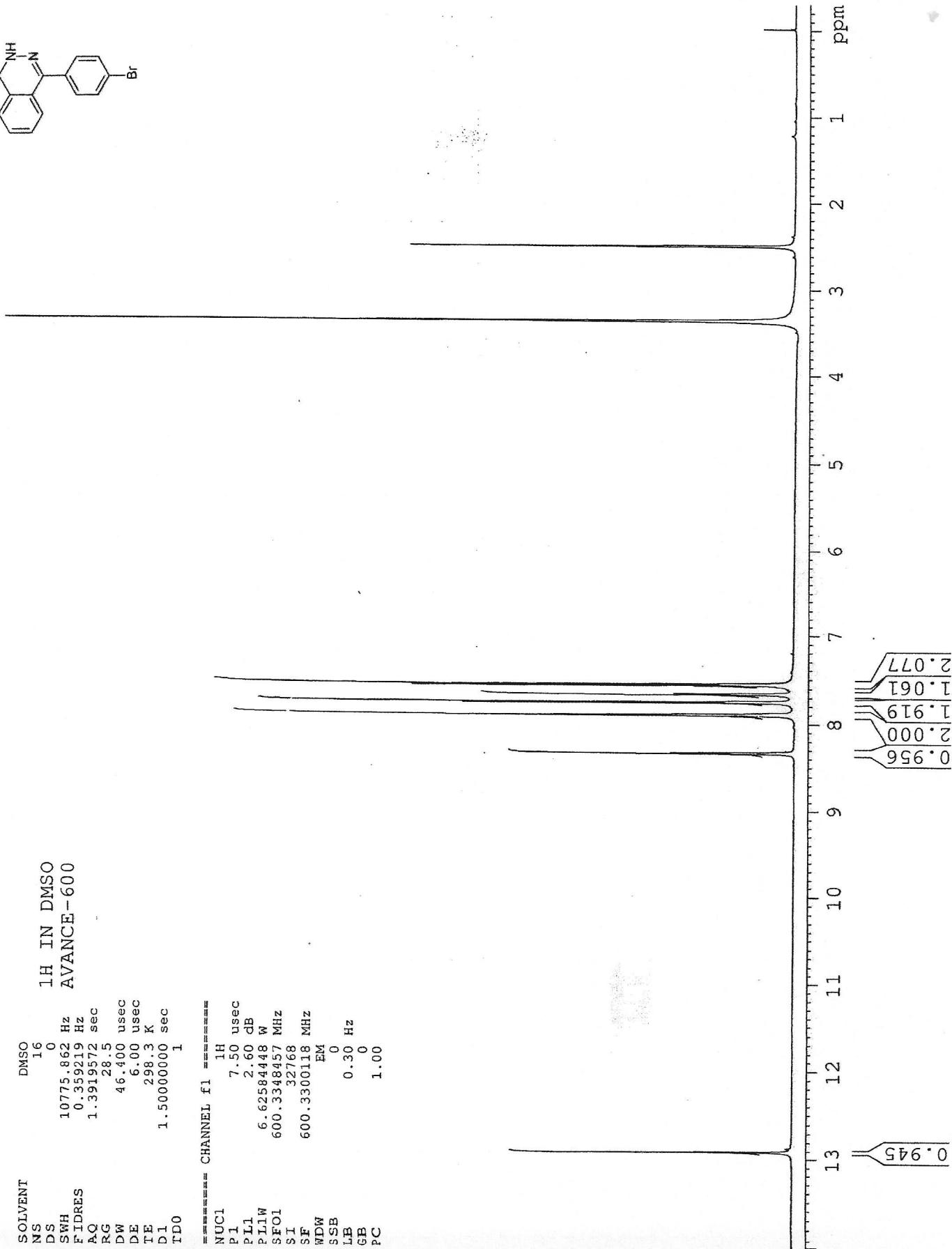
Catalog No.: 25-033  
 Product Name: 4-(4-Bromophenyl)-1(2H)  
 phthalazinone  
 Lot No.: 000490



SOLVENT DMSO  
 NS 16  
 DS 0  
 SWH 10775.862 Hz  
 FIDRES 0.359219 Hz  
 AQC 1.3919572 sec  
 RG 28.5  
 DW 46.400 usec  
 DE 6.00 usec  
 TE 298.3 K  
 D1 1.50000000 sec  
 TD0 1

1H IN DMSO  
 AVANCE-600

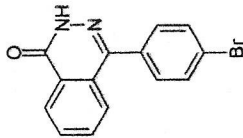
==== CHANNEL f1 =====  
 NUC1 1H  
 P1 7.50 usec  
 P1L1 2.60 dB  
 P1L1W 6.62584448 W  
 SFOL 600.3348457 MHZ  
 S1 32768  
 SF 600.3300118 MHZ  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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SF01 600.3346457 MHz  
SI 32768  
SF 600.3300118 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

