



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: 19-244

Product Name: **3(4'-BROMOPHENYL)-7-HYDROXYCOUMARIN**

Lot Number: 000230

Chemical Formula: C₁₅H₉BrO₃

Molecular Weight: 317.14

Melting Point: 267-270°C

Appearance: Pale cream powder

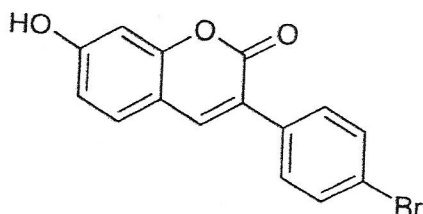
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.67%





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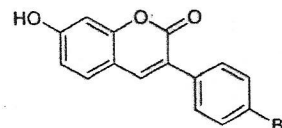
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HPLC ANALYSIS

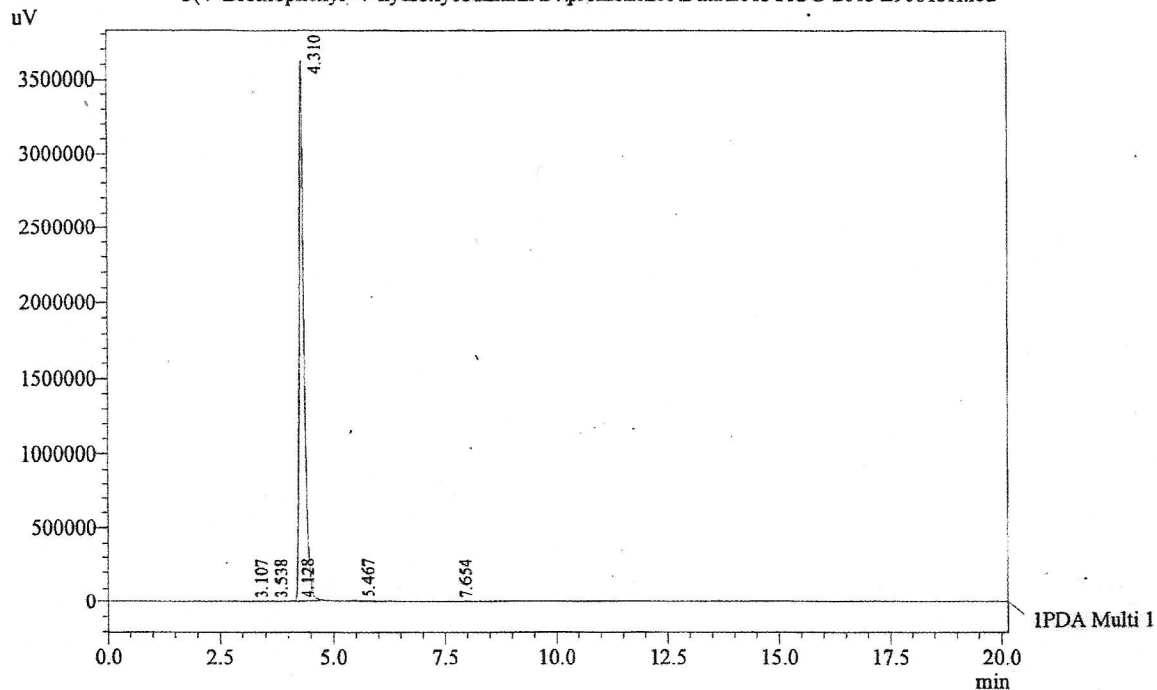
Acquired by : Sanjeev
Sample Name : 3(4'-Bromophenyl)-7-hydroxycoumarin
Sample ID : Lot No: 000230
Injection Volume : 20 uL
Data Filename : 290813H.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-244
Product Name: 3(4'-Bromophenyl)-7-hydroxycoumarin
Lot No.: 000230



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

Chromatogram
3(4'-Bromophenyl)-7-hydroxycoumarin D:\promonence\Data\2013\AUG-2013\290813H.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

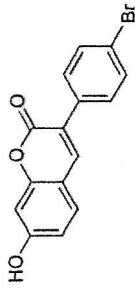
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.107	3.107	3432	0.01	0.72
2	RT:3.538	3.538	5037	0.02	0.82
3	RT:4.128	4.128	10793	0.04	0.96
4	RT:4.310	4.310	27405415	99.67	1.00
5	RT:5.467	5.467	68143	0.25	1.27
6	RT:7.654	7.654	4315	0.02	1.78
Total			27497135	100.00	



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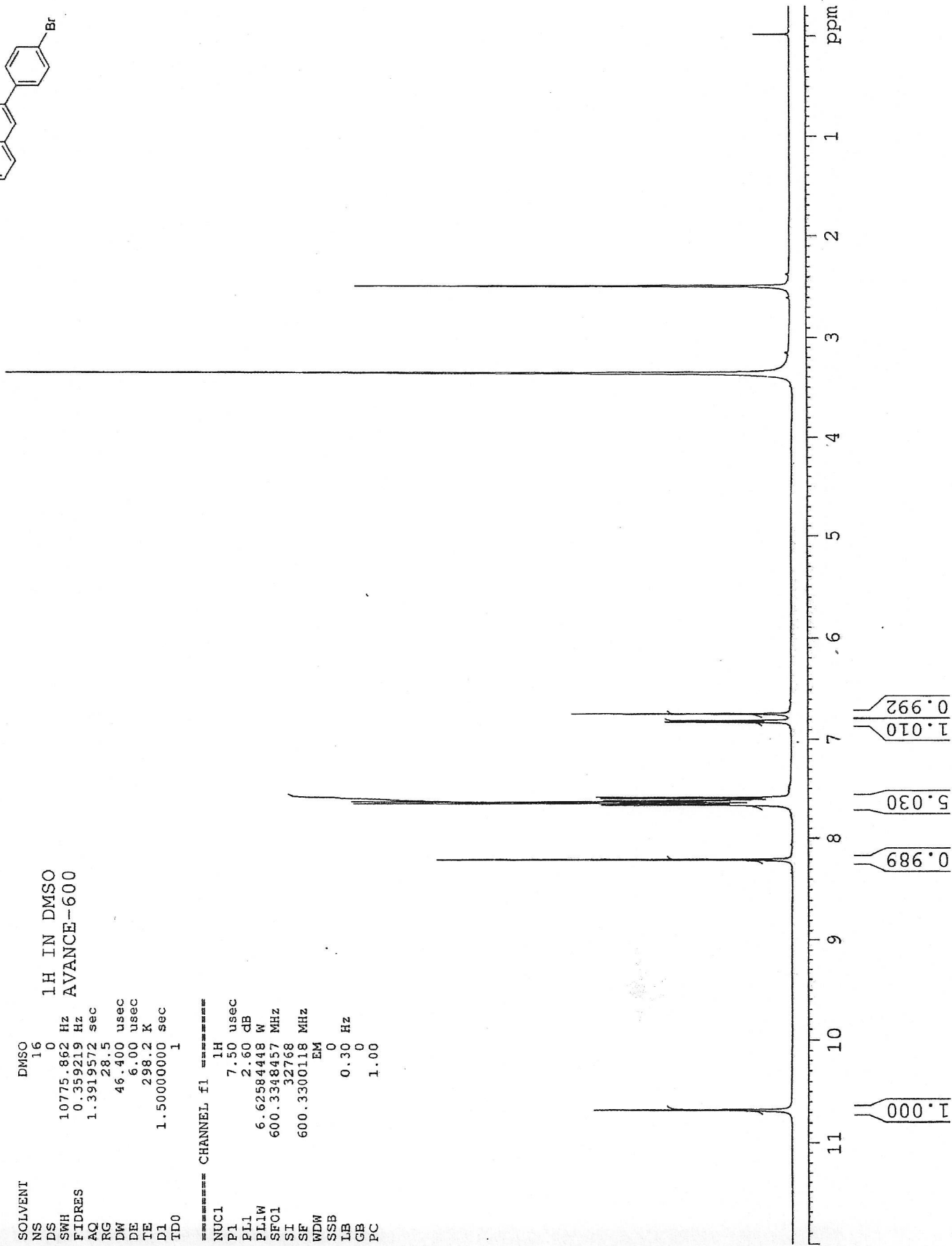
Catalog No.: 19-244
 Product Name: 3(4'-Bromophenyl)-7-hydroxycoumarin
 Lot No.: 000230



SOLVENT DMSO
 NS 16
 DS 0
 SWH 10775.862 Hz
 FIDRES 0.359219 Hz
 AQ 1.3919572 sec
 RG 28.5
 DW 46.400 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN DMSO
 AVANCE-600

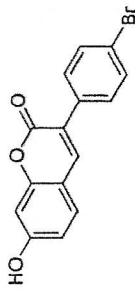
===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300118 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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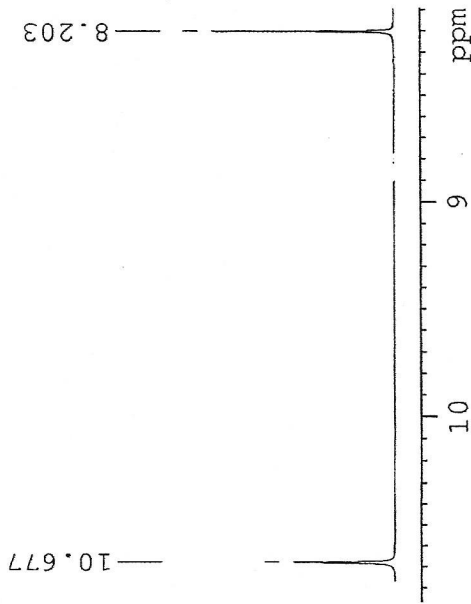
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 PLLW 6.62584448 W
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 SI 32768
 SF 600.3300118 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.665
 7.651
 7.632
 7.618
 7.601
 7.587

6.827
 6.824
 6.813
 6.809
 6.748
 6.745

