

ICC **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: 19-007

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

Lot Number: 98064

Chemical Formula: C₁₆H₁₁BrO₃

Molecular Weight: 331.17

Melting Point: 260-263°C

Appearance: Cream crystalline powder

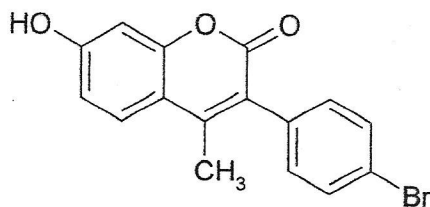
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.63%





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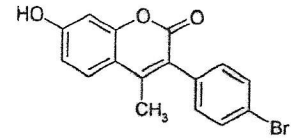
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HPLC ANALYSIS

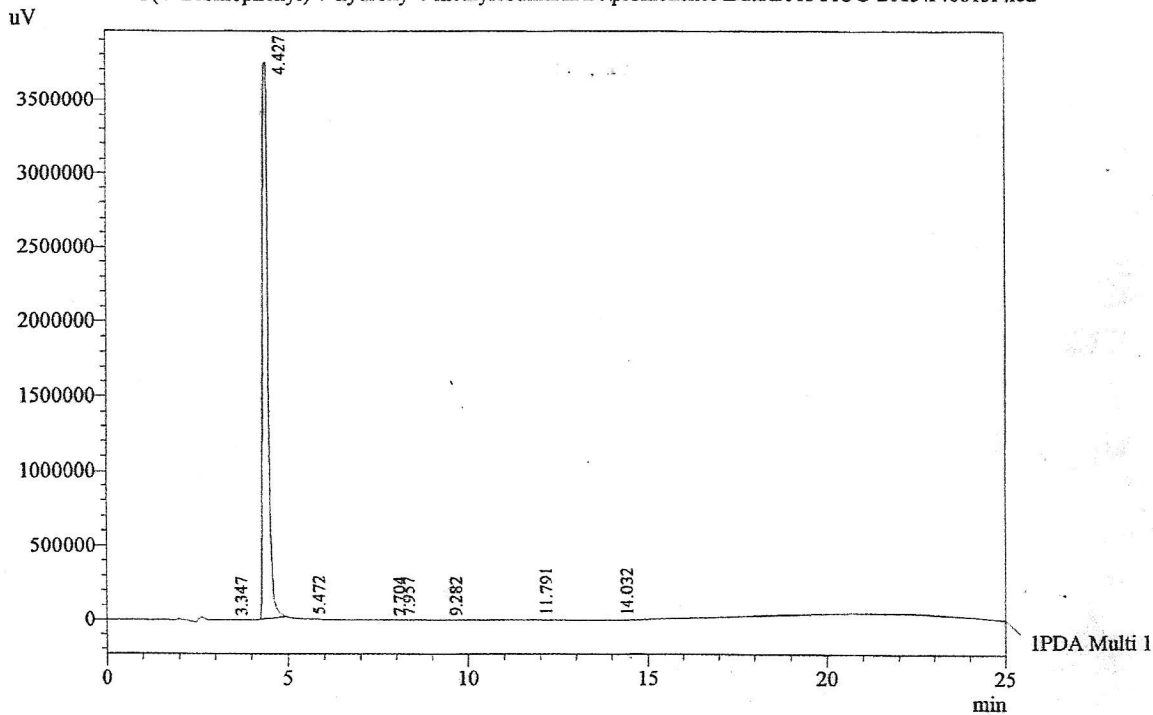
Acquired by : Sanjeev
 Sample Name : 3(4'-Bromophenyl)-7-hydroxy-4-methylcoumarin
 Sample ID : Lot No:98064
 Injection Volume : 20 uL
 Data Filename : 140813F.lcd
 Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-007
 Product Name: 3(4'-Bromophenyl)-7-hydroxy-4-methyl coumarin
 Lot No.: 98064



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)

Chromatogram
 3(4'-Bromophenyl)-7-hydroxy-4-methylcoumarin D:\promonence\Data\2013\AUG-2013\140813F.lcd



1 PDA Multi 1 / 220nm 4nm

PeakTable

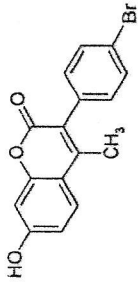
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.347	3.347	6087	0.02	0.76
2	RT:4.427	4.427	39190950	99.63	1.00
3	RT:5.472	5.472	22320	0.06	1.24
4	RT:7.704	7.704	22680	0.06	1.74
5	RT:7.957	7.957	6926	0.02	1.80
6	RT:9.282	9.282	5496	0.01	2.10
7	RT:11.791	11.791	74576	0.19	2.66
8	RT:14.032	14.032	7081	0.02	3.17
Total			39336116	100.00	



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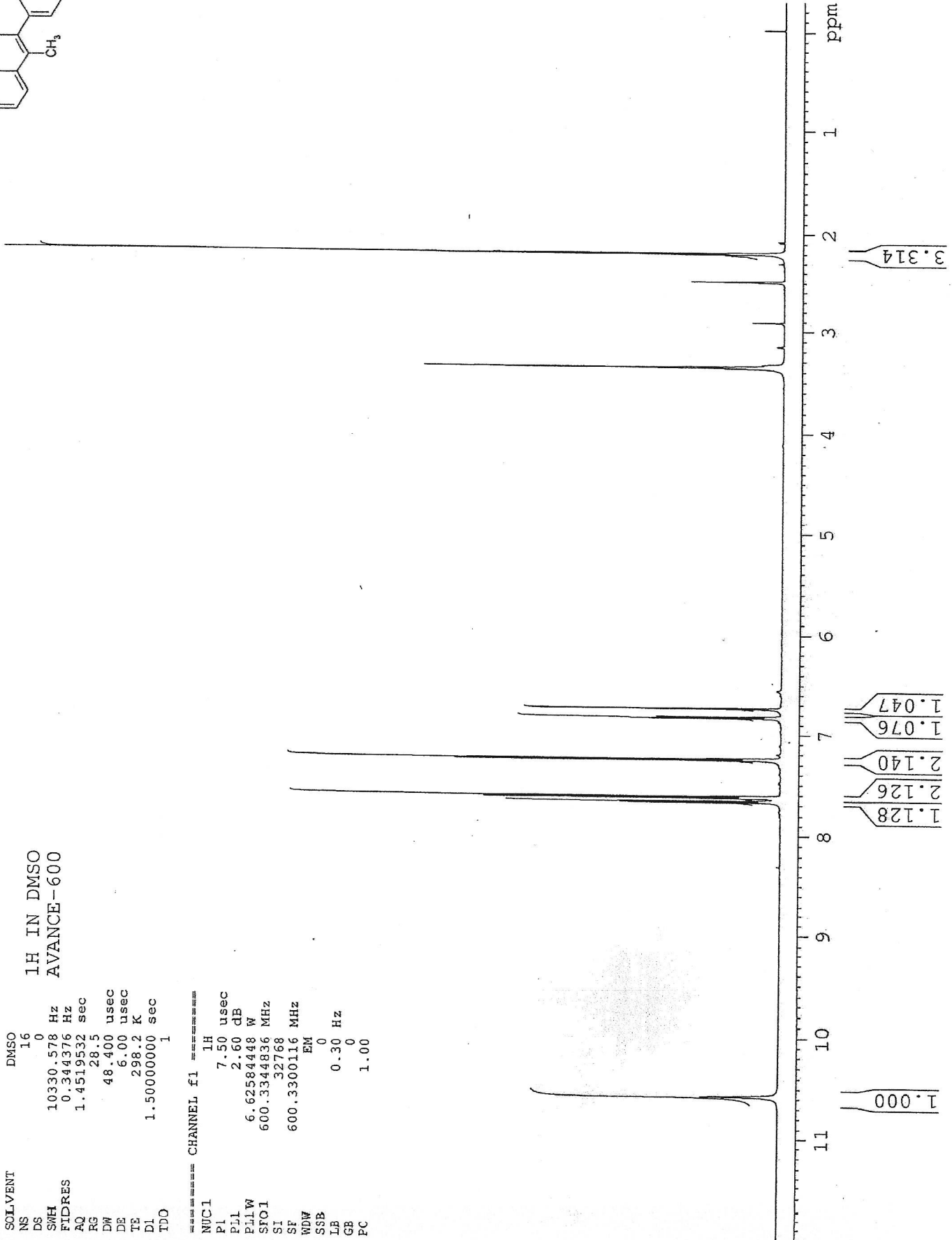
Catalog No.: 19-007
Product Name: 3-(4'-Bromophenyl)-7-hydroxy-4-methyl coumarin
Lot No.: 98064



SOLVENT DMSO
NS 16
DS 0
SMH 10330.578 Hz
FIDRES 0.344376 Hz
AQ 1.4519532 sec
RG 28.5
DW 48.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDO 1

1H IN DMSO
AVANCE-600

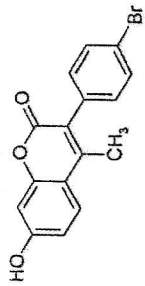
==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL 2.60 dB
PL1W 6.62584448 W
SFO1 600.3344836 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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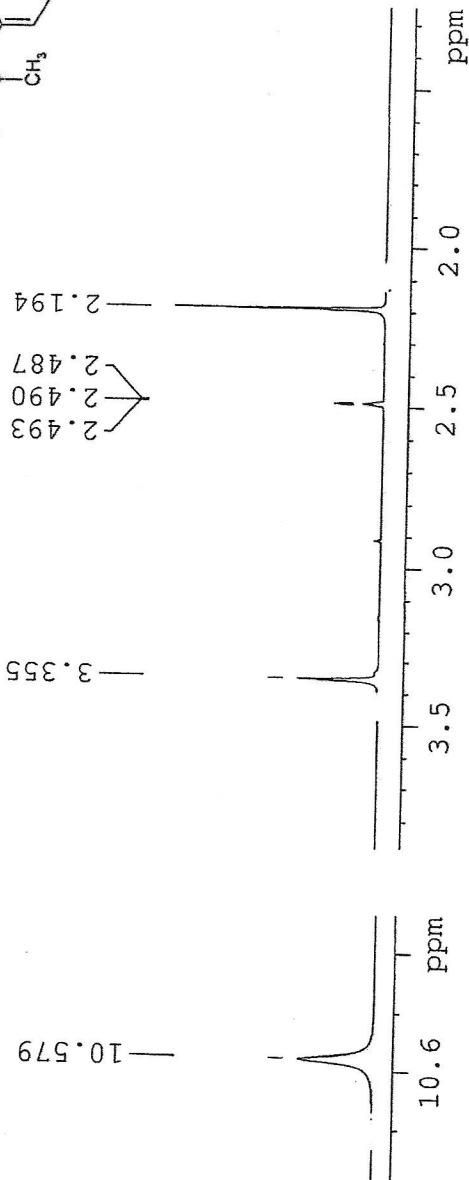
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==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3344836 MHz
 SI 2768
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.674
 7.659
 7.629
 7.615

7.261
 7.247

6.836
 6.832
 6.822
 6.818
 6.739
 6.735

