



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

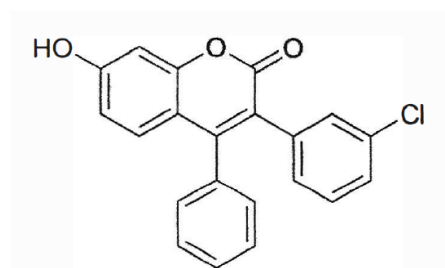
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-194
<u>Product Name:</u>	3(3'-CHLOROPHENYL)-7-HYDROXY-4-PHENYLCOUMARIN
<u>Lot Number:</u>	99219
<u>Chemical Formula:</u>	$C_{21}H_{13}ClO_3$
<u>Molecular Weight:</u>	348.78
<u>Melting Point:</u>	>290°C
<u>Appearance:</u>	Cream color powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Chloroform : Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	98.37%





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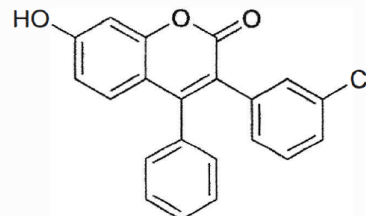
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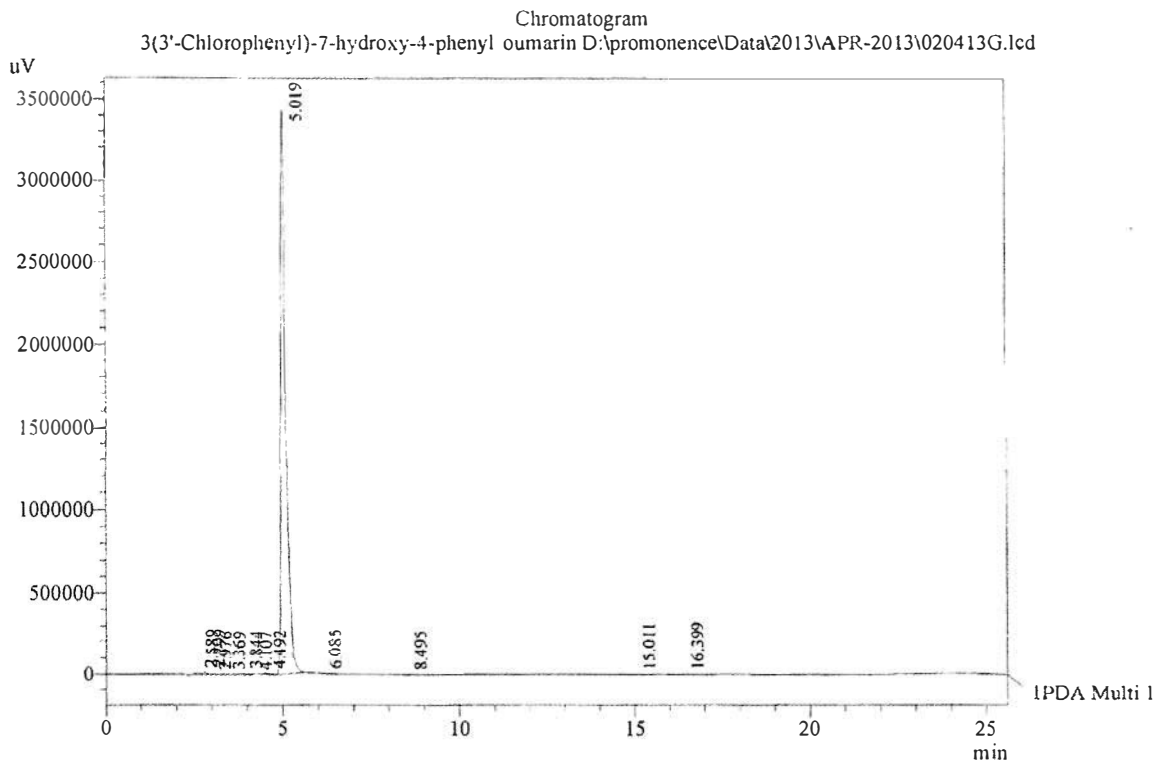
HPLC ANALYSIS



Acquired by : Sanjeev
 Samp Name : 3(3'-Chlorophenyl)-7-hydroxy-4-phenylcoumarin
 Sample ID : Lot No:- 99219
 Injection Volume : 20 uL
 Data Filename : 020413G.
 Method Name : Linear Isocratic.M.lcm

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)

Catalog No.: 19-194
 Product Name: 3(3'-Chlorophenyl)-7-hydroxy-4-phenylcoumarin
 Lot No.: 99219



1 PDA Multi 1 / 220nm 4nm

PeakTable

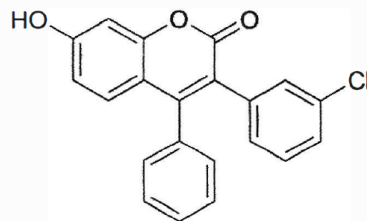
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.589	2.589	99486	0.30	0.52
2	RT:2.799	2.799	128282	0.39	0.56
3	RT:2.976	2.976	14761	0.05	0.59
4	RT:3.369	3.369	5890	0.02	0.67
5	RT:3.844	3.844	63752	0.19	0.77
6	RT:4.107	4.107	3408	0.01	0.82
7	RT:4.492	4.492	91142	0.28	0.89
8	RT:5.019	5.019	32234514	98.37	1.00
9	RT:6.085	6.085	35986	0.11	1.21
10	RT:8.495	8.495	9692	0.03	1.69
11	RT:15.011	15.011	14363	0.04	2.99
12	RT:16.399	16.399	66332	0.20	3.27
Total			32767608	100.00	



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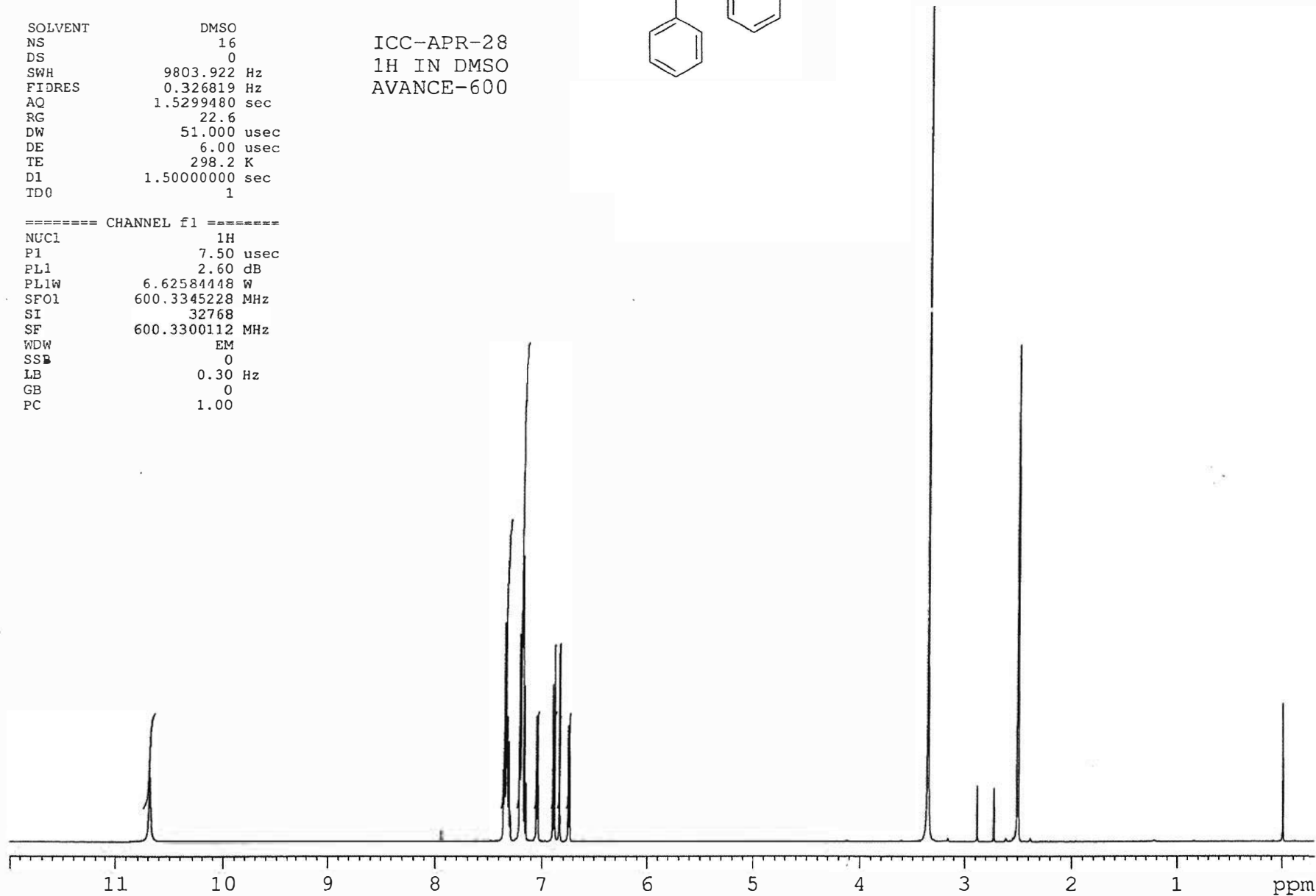
Product Name: 3-(3'-Chlorophenyl)-7-hydroxy-4-phenyl coumarin

Lot No.: 99219

SOLVENT DMSO
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-APR-28
1H IN DMSO
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300112 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



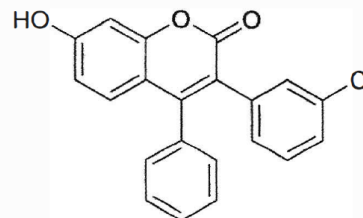
1.034

3.135
5.060
1.048
1.049
1.000
1.034



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7.356
7.345
7.333
7.324
7.312

7.210
7.193
7.189
7.181
7.167
7.154

7.050
7.038

6.895
6.880

6.836
6.833

6.751
6.747
6.736
6.733

