



INDOFINE Chemical Company, Inc.

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

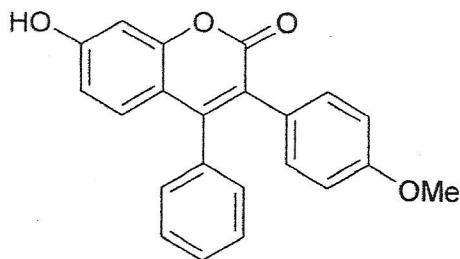
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	19-078
<u>Product Name:</u>	7-HYDROXY-3(4'-METHOXYPHENYL)-4-PHENYLCOUMARIN
<u>Lot Number:</u>	99025
<u>Chemical Formula:</u>	$C_{22}H_{16}O_4$
<u>Molecular Weight:</u>	344.37
<u>Melting Point:</u>	254-258°C
<u>Appearance:</u>	Cream powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.60%





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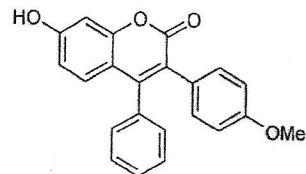
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HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 7-Hydroxy-3(4'-Methoxyphenyl)-4-phenylcoumarin
Sample ID : Lot No: 99025
Injection Volume : 20 uL
Data Filename : 140813G.lcd
Method Filename : Linear Isocratic.M.lcm

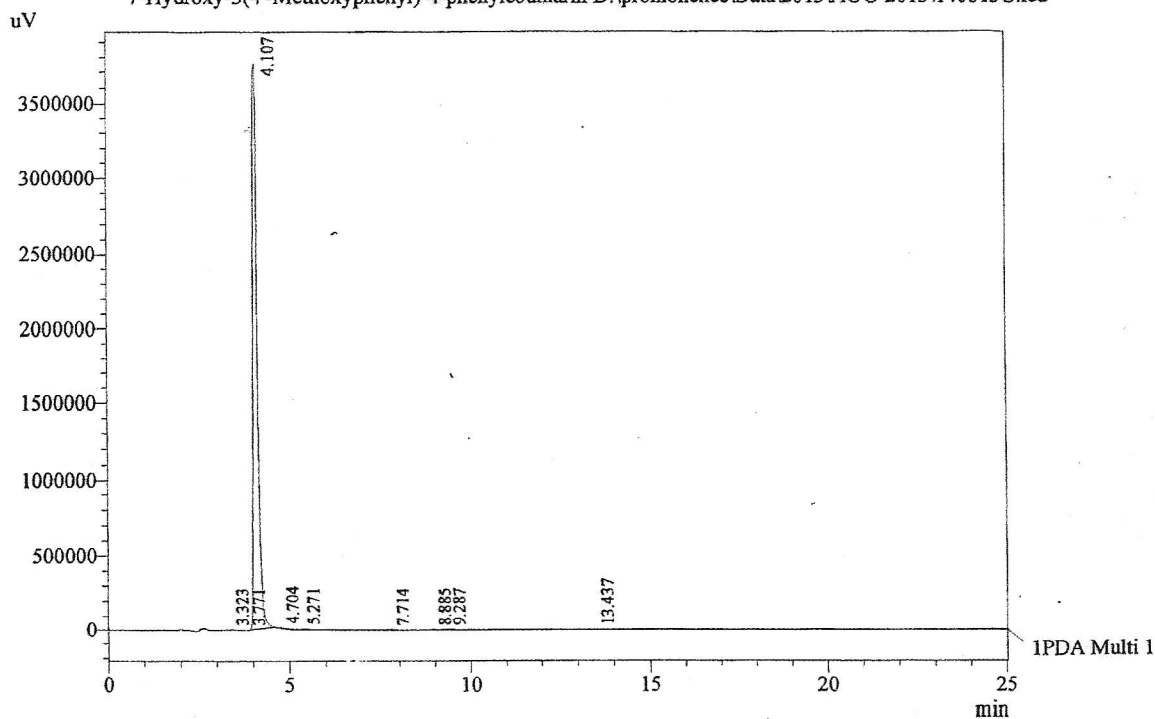
Catalog No.: 19-078
Product Name: 7-Hydroxy-3(4'-methoxyphenyl)-4-phenylcoumarin
Lot No.: 99025



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

7-Hydroxy-3(4'-Methoxyphenyl)-4-phenylcoumarin D:\promonence\Data\2013\AUG-2013\140813G.lcd



1 PDA Multi 1 / 230nm 4nm

PeakTable

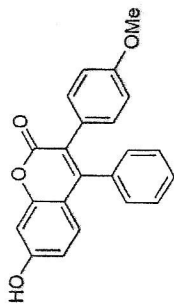
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.323	3.323	7675	0.02	0.81
2	RT:3.771	3.771	5151	0.02	0.92
3	RT:4.107	4.107	32071112	99.60	1.00
4	RT:4.704	4.704	5303	0.02	1.15
5	RT:5.271	5.271	17746	0.06	1.28
6	RT:7.714	7.714	26418	0.08	1.88
7	RT:8.885	8.885	9985	0.03	2.16
8	RT:9.287	9.287	46505	0.14	2.26
9	RT:13.437	13.437	10252	0.03	3.27
Total			32200146	100.00	



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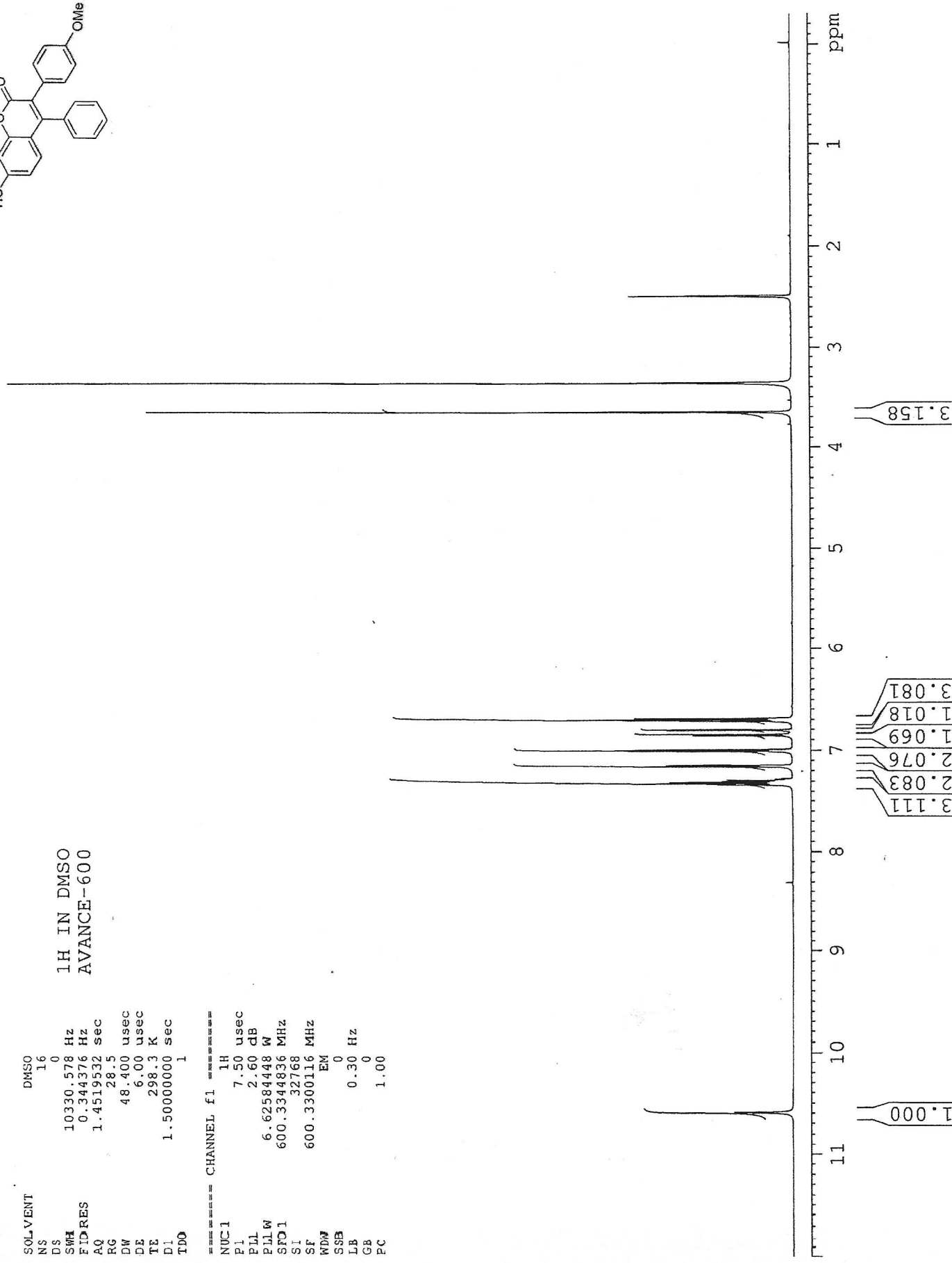
Catalog No.: 19-078
 Product Name: 7-Hydroxy-3(4'-methoxyphenyl)-4-phenylcoumarin
 Lot No.: 99025



SOLVENT DMSO
 NS 16
 DS 0
 SWH 10330.578 Hz
 FIDRES 0.344376 Hz
 AQ 1.4519532 sec
 RG 28.5
 DW 48.400 usec
 DE 6.00 usec
 TE 298.3 K
 D1 1.50000000 sec
 TDO 1

1H IN DMSO
 AVANCE-600

CHANNEL f1
 NUC1 1H
 P1 7.50 usec
 P1L 2.60 dB
 P1LW 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



3.158

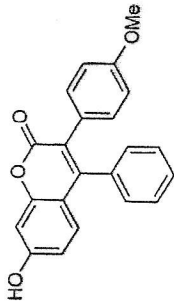
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 3.081

1.000



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