



# 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: 19-054

Product: 7-HYDROXY-3-PHENYLCOUMARIN

CAS Number: [6468-96-8]

Lot Number: 98110

Chemical Formula: C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 238.25

Melting Point: 210-213°C

Appearance: Pale creamy shining powder

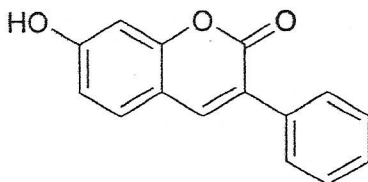
Solubility: Soluble in DMSO

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool, dry place

Purity (HPLC) 99.90%





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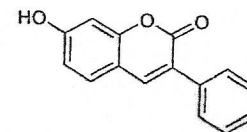
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

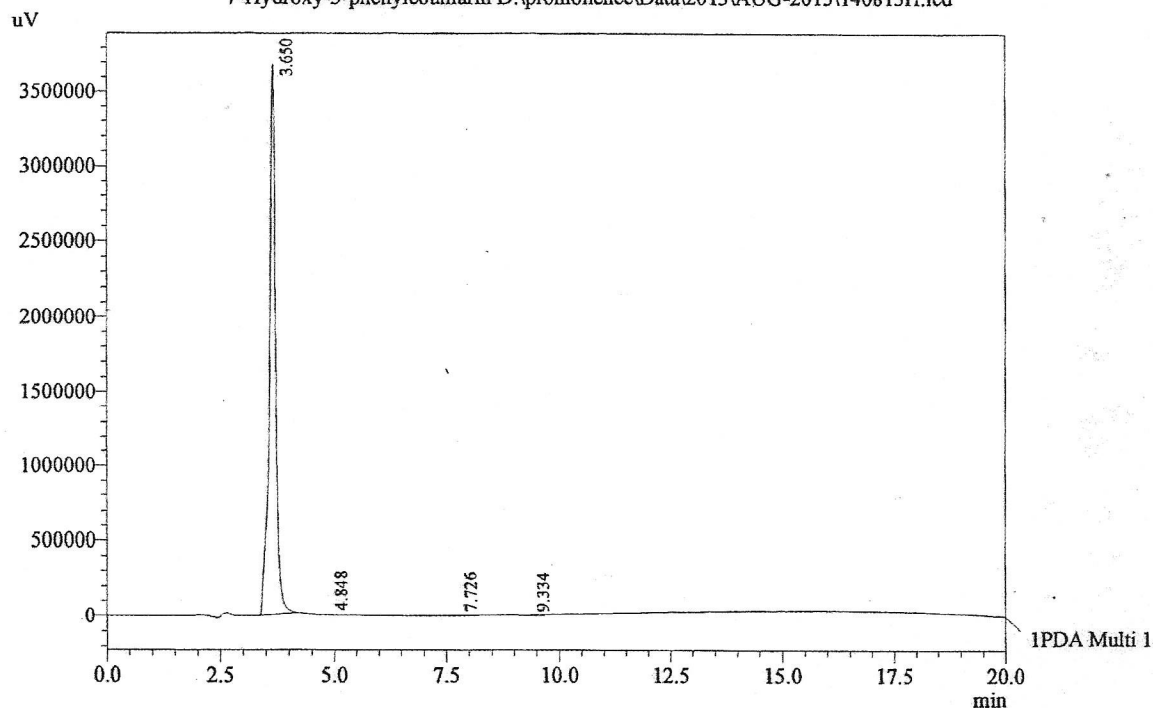
Acquired by : Sanjeev  
Sample Name : 7-Hydroxy-3-phenylcoumarin  
Sample ID : Lot No: 98110  
Injection Volume : 20 uL  
Data Filename : 140813H.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-054  
Product Name: 7-Hydroxy-3-phenylcoumarin  
Lot No.: 98110

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-phenylcoumarin D:\promonence\Data\2013\AUG-2013\140813H.lcd



1 IPDA Multi 1 / 220nm 4nm

PeakTable

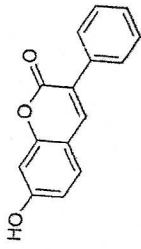
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	7-OH-3-phenylcoumarin	3.650	35888901	99.90	1.00
2	RT:4.848	4.848	18065	0.05	1.33
3	RT:7.726	7.726	10396	0.03	2.12
4	RT:9.334	9.334	7496	0.02	2.56
Total			35924858	100.00	



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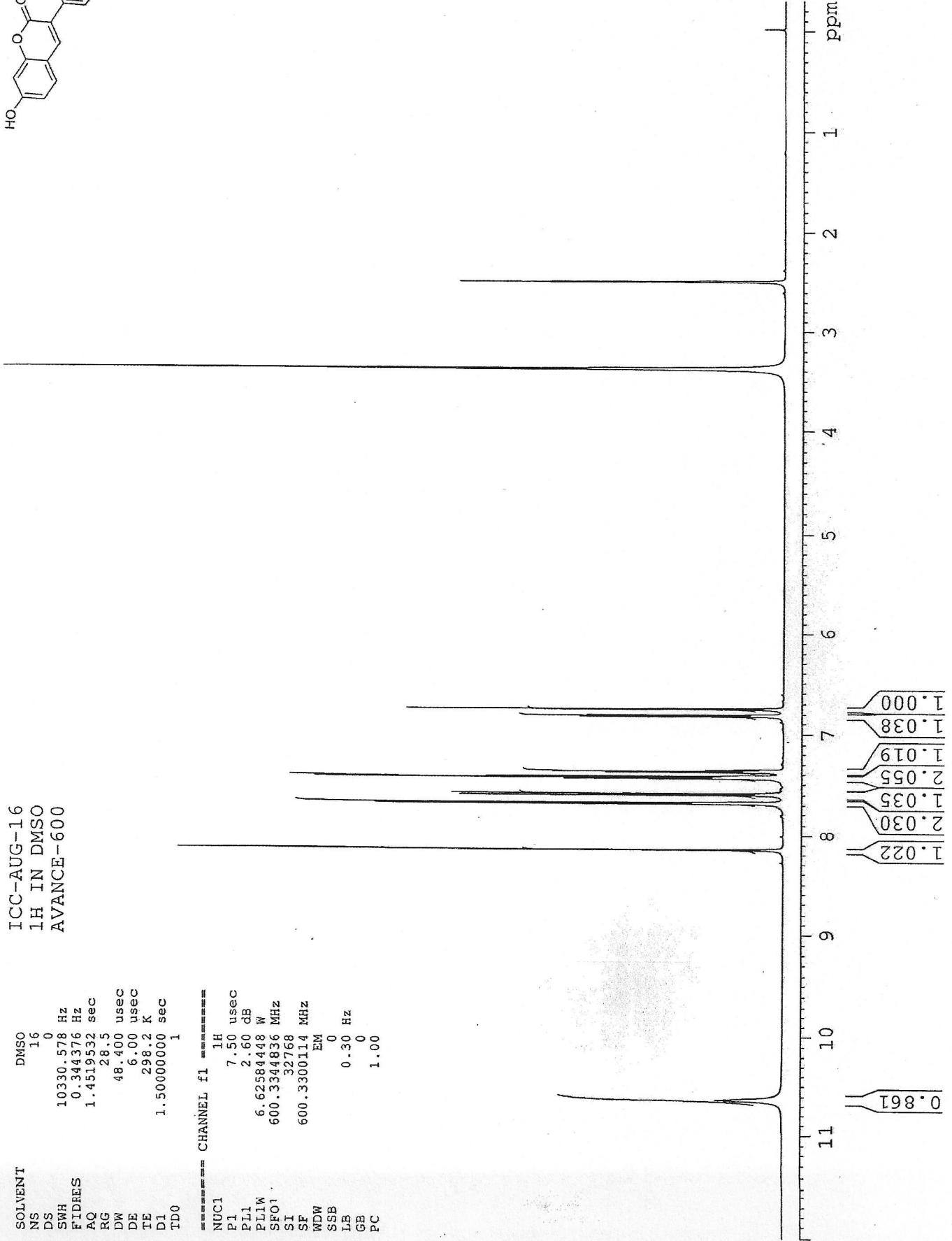
Catalog No.: 19-054  
 Product Name: 7-Hydroxy-3-phenylcoumarin  
 Lot No.: 98110



ICC-AUG-16  
 1H IN DMSO  
 AVANCE-600

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 298.2 K  
 D1 1.50000000 sec  
 TD0 1

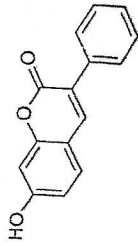
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 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SFO1 600.3344836 MHz  
 SI 32768  
 SF 600.3300114 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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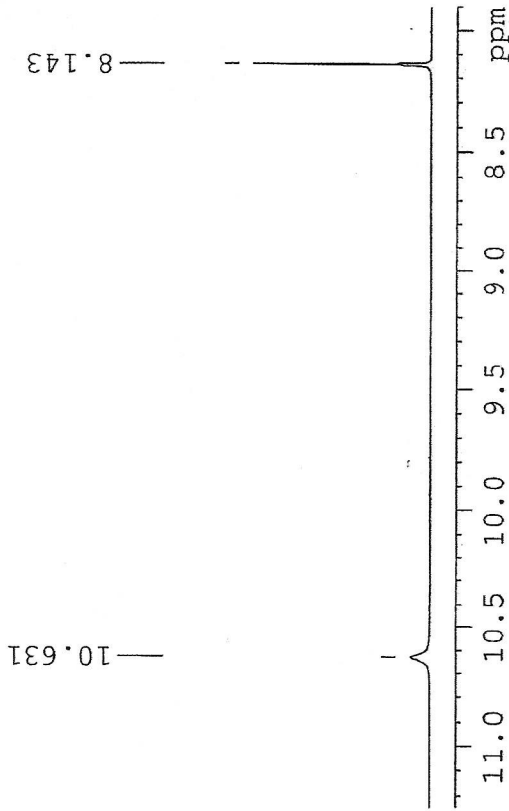
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===== CHANNEL f1 =====  
 NUC1 1H  
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 SI 32768  
 SF 600.3300114 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00



6.821  
 6.818  
 6.807  
 6.804  
 6.749  
 6.746

7.437  
 7.425  
 7.412  
 7.377  
 7.364  
 7.352

7.598  
 7.584

7.682  
 7.670

