



# 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: CS-002

Product Name: **7-DIETHYLAMINO-4-HYDROXYMETHYLCOUMARIN**  
(7-Diethylamino-4-methanolcoumarin)

Lot Number: 0202038

Chemical Formula: C<sub>14</sub>H<sub>17</sub>NO<sub>3</sub>

Molecular Weight: 247.29

Melting Point: 142-145°C

Appearance: Light Cream Powder

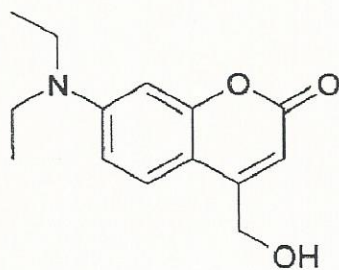
Solubility: Soluble in Chloroform

TLC: n-Hexane : Ethyl acetate (1:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 98.46%





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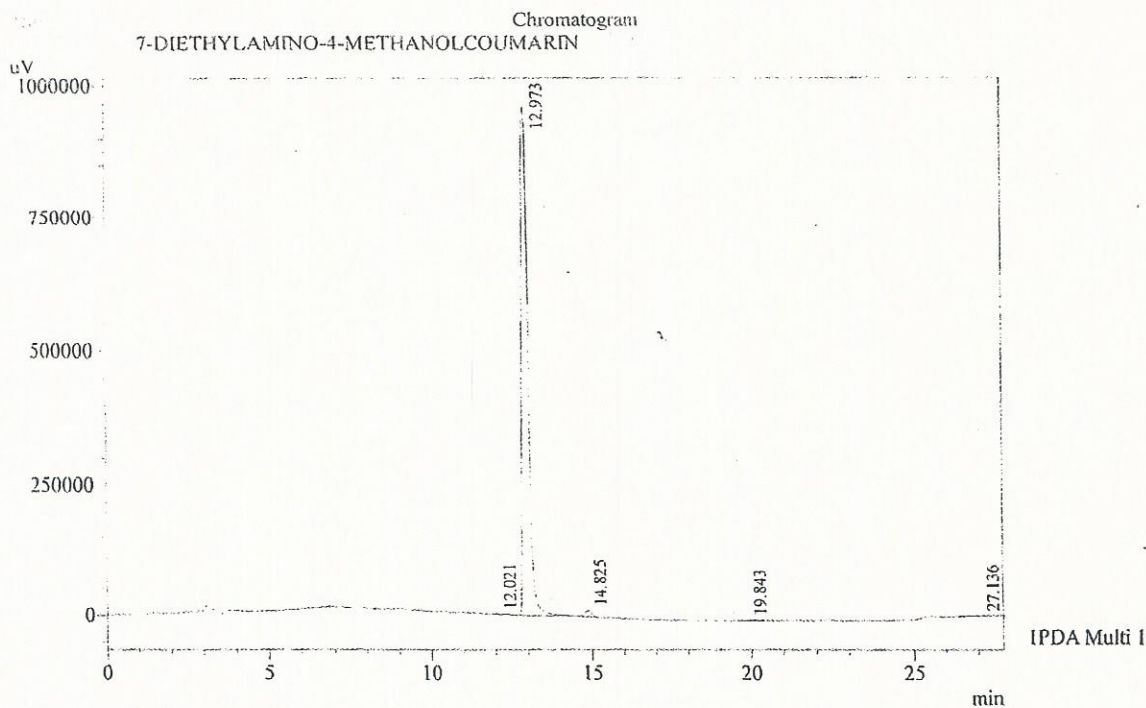
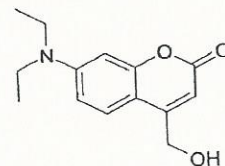
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## HPLC ANALYSIS

Acquired by : Admin  
 Sample Name : 7-DIETHYLAMINO-4-METHANOLCOUMARIN  
 Sample ID : Lot No: 0202038  
 Injection Volume : 1 uL  
 Data Filename : 070916D.lcd  
 Method Filename : Linear Gradient.M.lcm  
 Report Filename : Default.lcr

Catalog No.: CS-002  
 Product Name: 7-Diethylamino-4-hydroxy  
 methylcoumarin  
 Lot No.: 0202038



1 PDA Multi 1 / 230nm 4nm

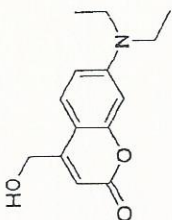
PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.021	12.021	2429	0.02	0.00
2	RT:12.973	12.973	13024562	98.46	0.00
3	RT:14.825	14.825	182451	1.38	0.00
4	RT:19.843	19.843	16062	0.12	0.00
5	RT:27.136	27.136	2904	0.02	0.00
Total			13228410	100.00	



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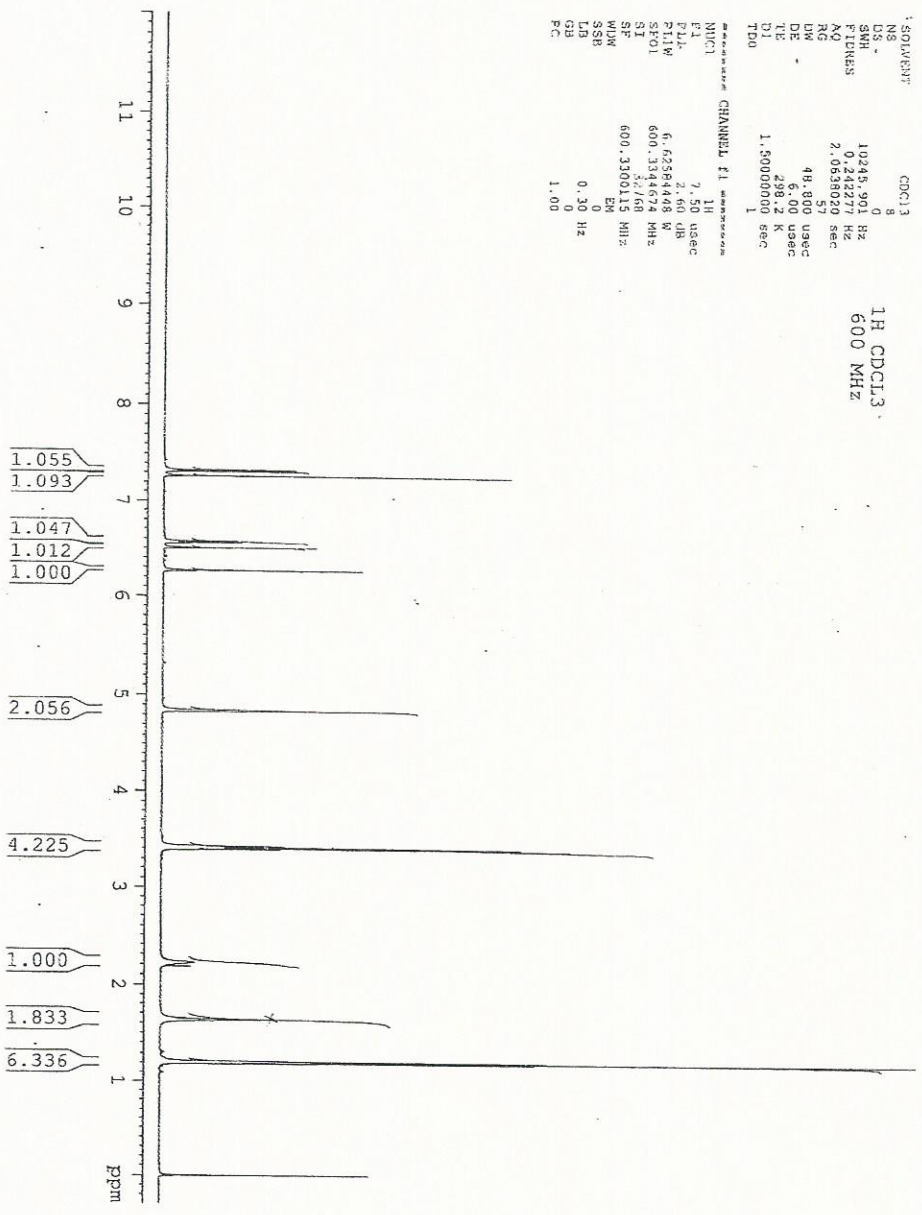


Catalog No.: CS-U02  
 Product Name: 7-Diethylamino-4-hydroxy methylcoumarin  
 Lot No.: 0202038

SOLVENT CDCl3  
 NS 8  
 US 0  
 SMH 10245.901 Hz  
 FIDERS 0.242277 Hz  
 A0 2.0535029 Sec  
 RW 48.800 usec  
 DW 6.00 usec  
 DE 298.2 K  
 DI 1.500000000 sec  
 TD0 1

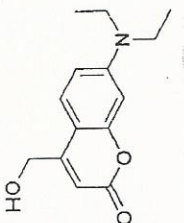
CHANNEL F1  
 NU01 1H  
 F1 7.50 usec  
 P1 2.60 dB  
 P1W 6.62584448 W  
 SF01 600.1344674 MHz  
 SI 3.7168  
 SW 600.3300115 MHz  
 SS 8K  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

1H CDCl3  
 600 MHz





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methylcoumarin  
Lot No.: 0202038

