



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: 19-424

Product Name: **3-ACETYL-7-DIETHYLAMINOCOUMARIN**

CAS Number: [74696-30-0]

Lot Number: 0112285

Chemical Formula: C₁₅H₁₇NO₃

Molecular Weight: 259.31

Melting Point: 150-153°C

Appearance: Yellow powder

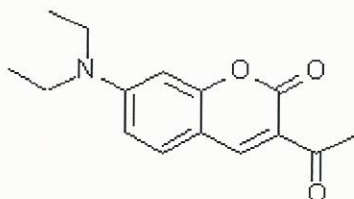
TLC: Hexane: Ethyl acetate (7:3)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.89%





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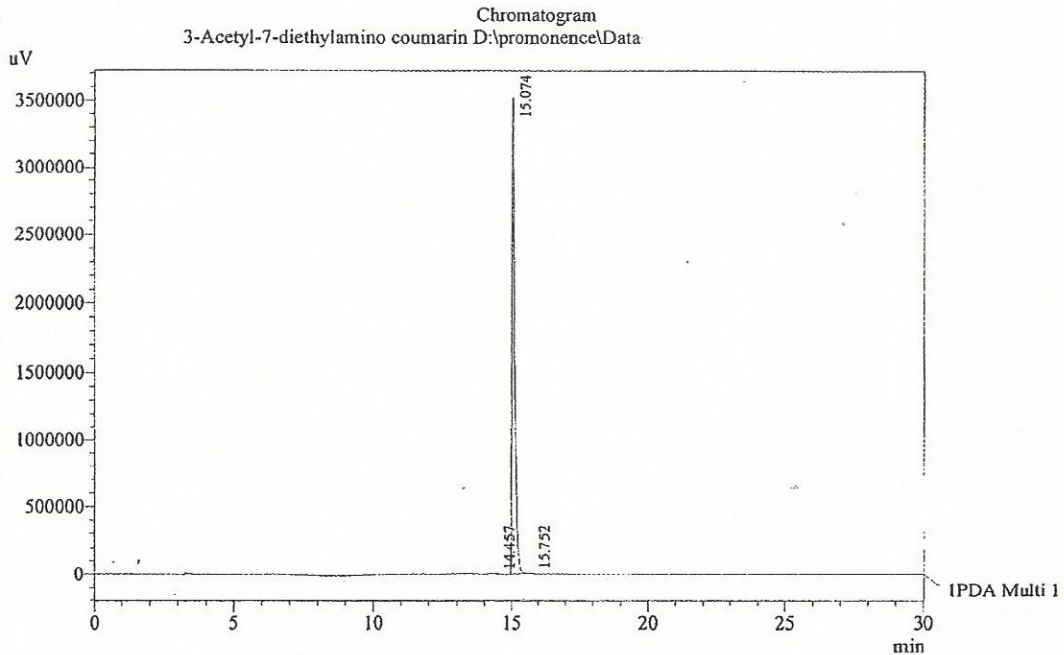
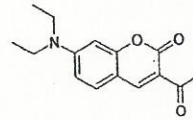
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3-Acetyl-7-diethylamino coumarin
Sample ID : Lot No:0112285
Injection Volume : 20 uL
Data Filename : 180614B.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-424
Product Name: 3-Acetyl-7-diethylaminocoumarin
Lot No.: 0112285

Column : Gemini-C18 (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Acetonitrile



PeakTable

PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.457	14.457	12345	0.05	0.96
2	3-Acetyl-7-diethylaminocoumarin	15.074	26397394	99.89	1.00
3	RT:15.752	15.752	15881	0.06	1.05
Total			26425620	100.00	



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121 STRYKER LANE

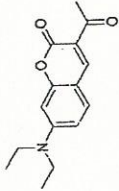
BLDG. 30, SUITE 1

HILLSBOROUGH, NJ 08844

Catalog No.: 19-424

Product Name: 3-Acetyl-7-diethylaminocoumarin

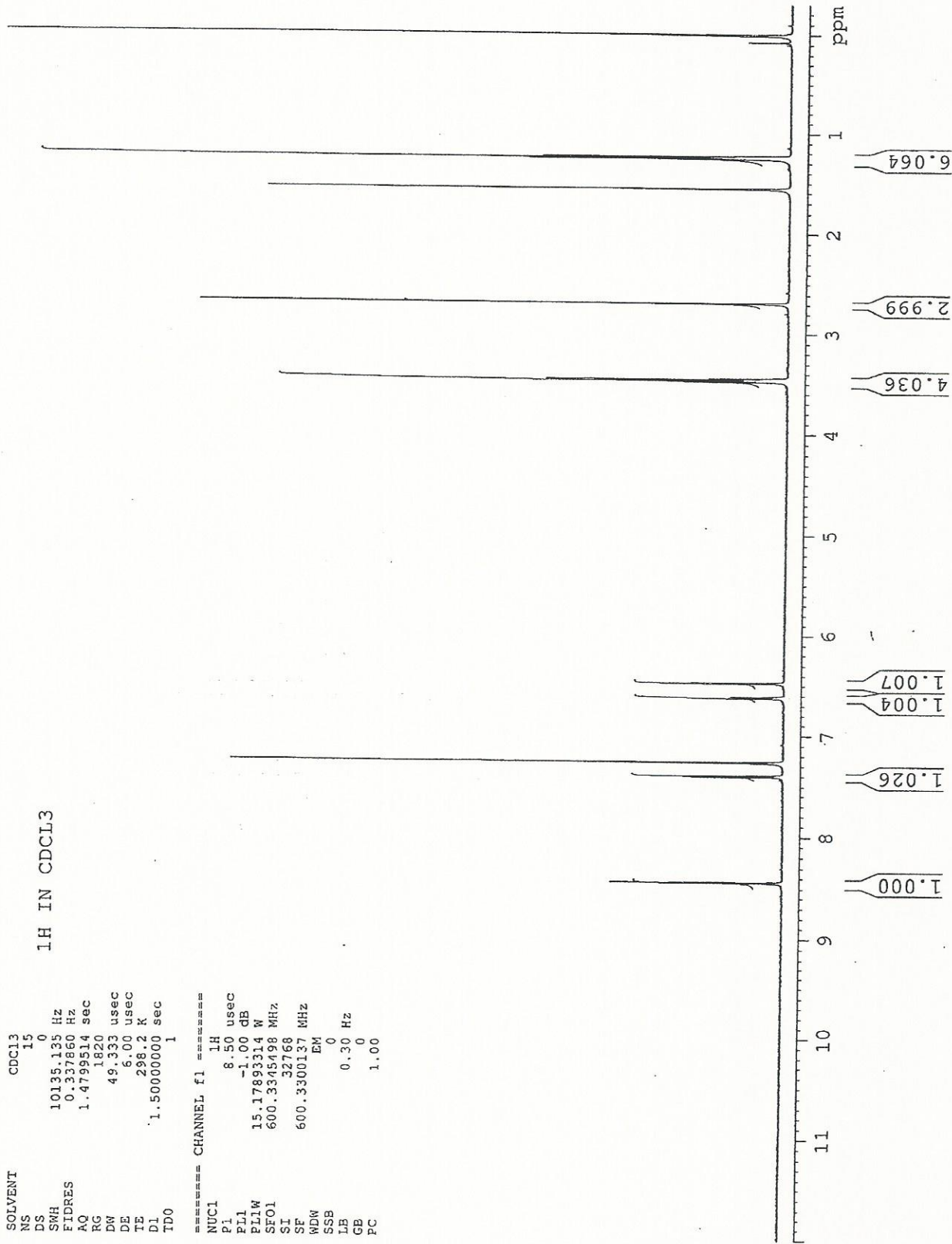
Lot No.: 0112285



SOLVENT CDC13
 NS 15
 DS 0
 SMH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.479514 sec
 RG 1820
 DW 49.333 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 S1 32768
 SF 600.3300137 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

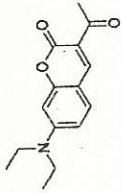
1H IN CDCL3





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 121 STRYKER LANE
 BLDG. 30, SUITE 1
 HILLSBOROUGH, NJ 08844

Catalog No.: 19-424
 Product Name: 3-Acetyl-7-diethylaminocoumarin
 Lot No.: 0112285



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SOLVENT      CDCl3
NS           15
DS           0
SWH         10135.135 Hz
FIDRES      0.337860 Hz
AQ          1.4799514 sec
RG          1820
DW          49.333 usec
DE          6.00 usec
TE          298.2 K
D1          1.5000000 sec
TD0         1

===== CHANNEL f1 =====
NUC1        1H
P1          8.50 usec
PL1         -1.00 dB
PLLW        15.17893314 W
SF01        600.3345498 MHz
SI          32768
SF          600.3300137 MHz
NDW         EM
SSB         0
LB          0.30 Hz
GB          0
PC          1.00
  
```

1H IN CDCl3

