



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: 020585

Product Name: **8-ACETYL-7-METHOXYCOUMARIN**

CAS Number: [89019-07-8]

Lot Number: 0205151

Chemical Formula: C₁₂H₁₀O₄

Molecular Weight: 218.21

Melting Point: 117-119°C

Appearance: White powder

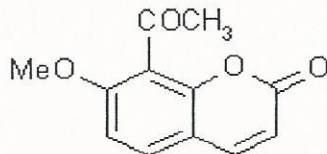
Solubility: Soluble in chloroform

TLC: Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.83%





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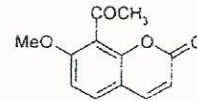
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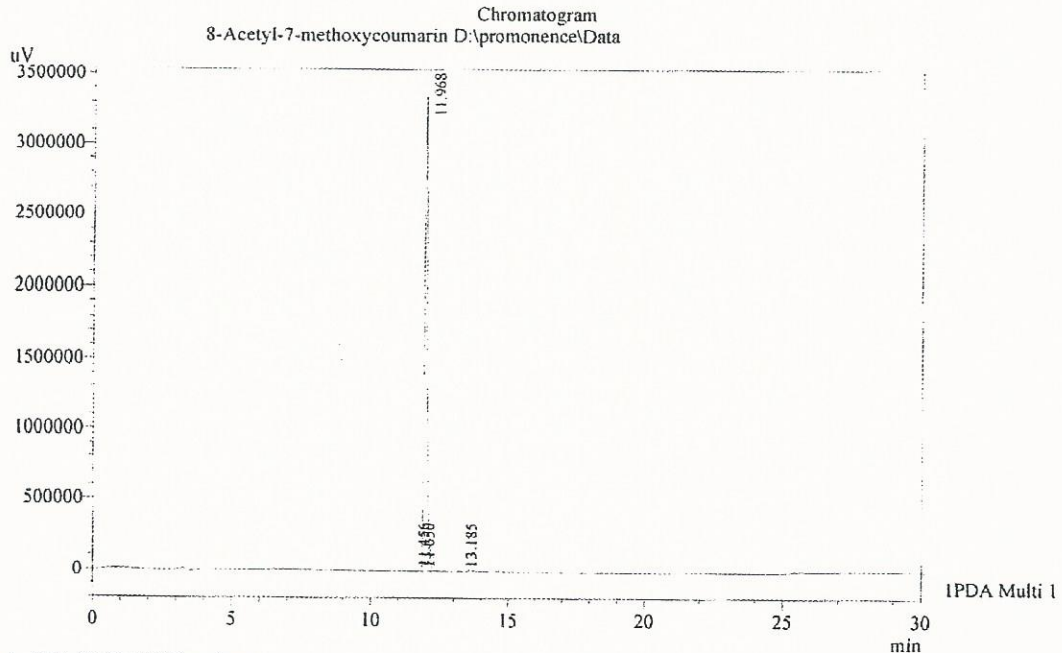
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 8-Acetyl-7-methoxycoumarin
Sample ID : Lot No: 0205151
Injection Volume : 20 uL
Data Filename : 190514K.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 020585
Product Name: 8-Acetyl-7-methoxycoumarin
Lot No.: 0205151



Column : Phenomenex Luna-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



1 PDA Multi 1 / 230nm 4nm

PeakTable

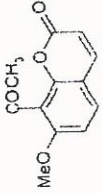
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.456	11.456	21304	0.09	0.96
2	RT:11.650	11.650	6415	0.03	0.97
3	8-Acetyl-7-OMe coumarin	11.968	22996404	99.83	1.00
4	RT:13.185	13.185	10492	0.05	1.10
Total			23034615	100.00	



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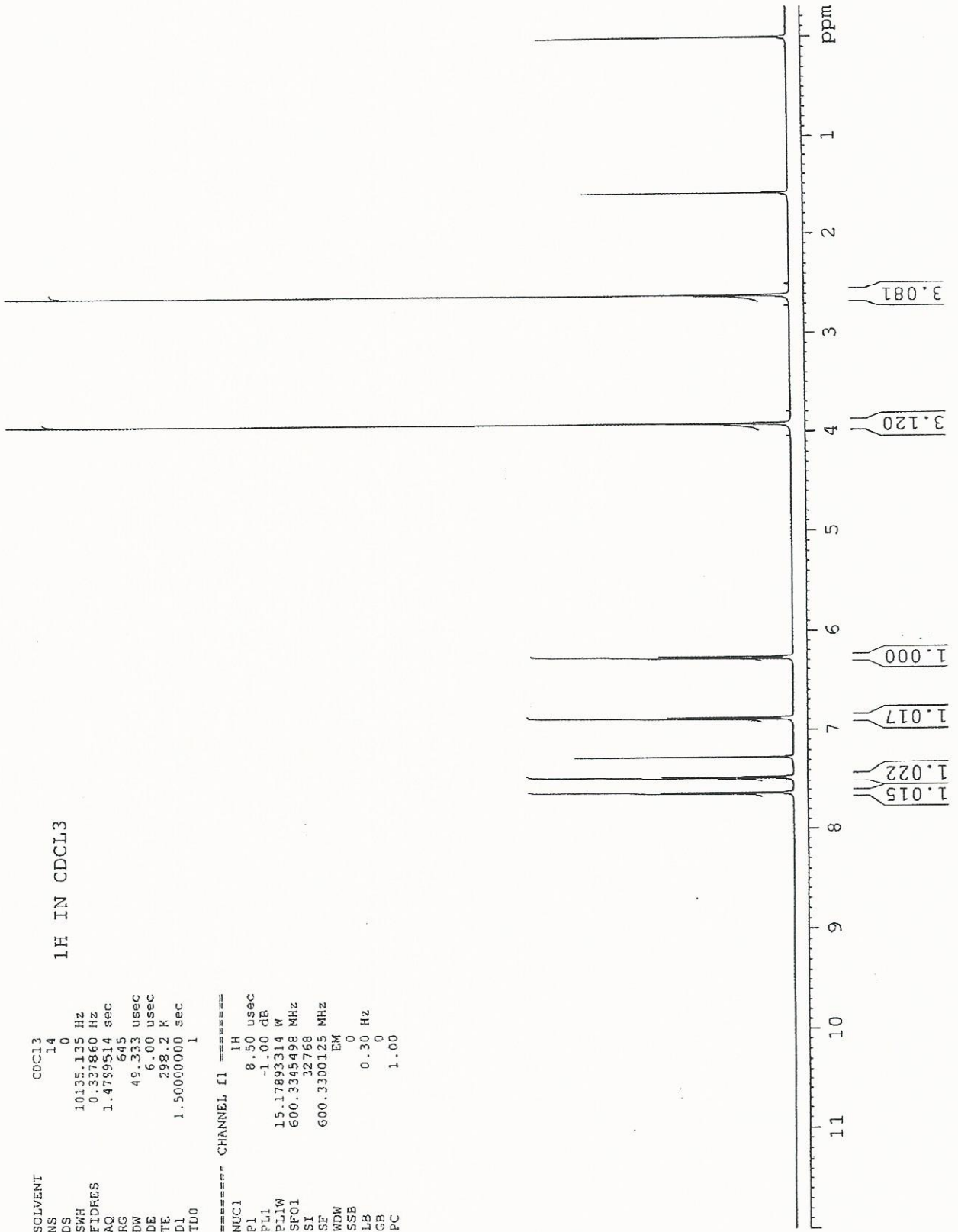
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 Product Name: 8-Acetyl-7-methoxycoumarin
 Lot No.: 0205151



1H IN CDCL3

SOLVENT CDCL3
 NS 14
 DS 0
 SWH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4789514 sec
 RG 645
 DW 49.333 usec
 DE 6.00 usec
 TE 298.2 K
 DI 1.5000000 sec
 TD0 1

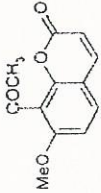
==== CHANNEL f1 =====
 NUC1 1H
 PL 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 SI 32768
 SF 600.3300125 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Lot No.: 0205151



SOLVENT CDCL3
NS 14
DS 0
SWH 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799514 sec
RG 645
DW 49.333 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3345498 MHz
S1 32768
SF 600.3300125 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

