

ICG **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: 19-665

Product Name: **3-ACETYL-8-METHOXYCOUMARIN**

CAS Number: [5452-39-1]

Lot Number: 0312199

Chemical Formula: C₁₂H₁₀O₄

Molecular Weight: 218.21

Melting Point: 173-176°C

Appearance: Light yellow powder

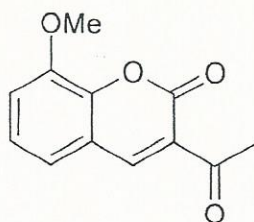
Solubility: Soluble in chloroform

TLC: n-Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity (HPLC): 99.72%





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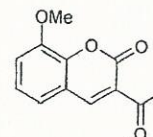
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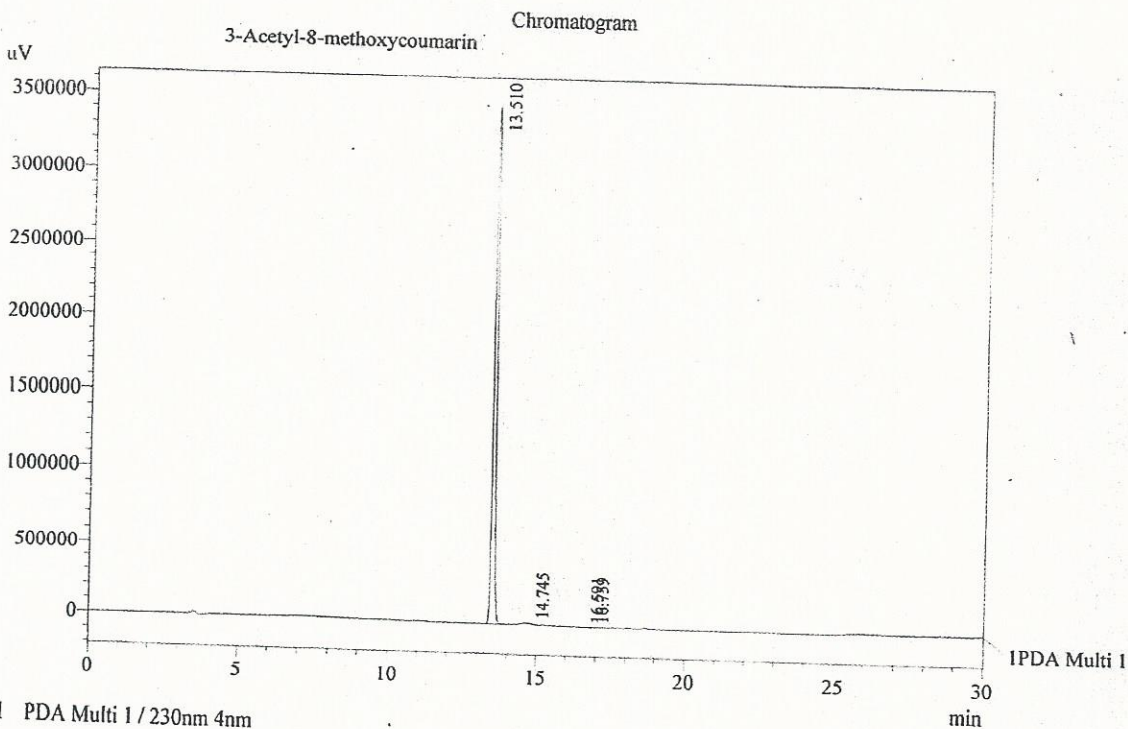
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3-Acetyl-8-methoxycoumarin
 Sample ID : Lot No: 0312199
 Injection Volume : 20 uL
 Data Filename : 011214H.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-665
 Product Name: 3-Acetyl-8-methoxycoumarin
 Lot No.: 0312199



Column : Gemini C18 (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% of 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

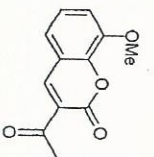
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	3-Acetyl-8-methoxycoumarin	13.510	23461983	99.72	1.00
2	RT:14.745	14.745	44796	0.19	1.09
3	RT:16.591	16.591	11358	0.05	1.23
4	RT:16.759	16.759	10621	0.05	1.24
Total			23528758	100.00	



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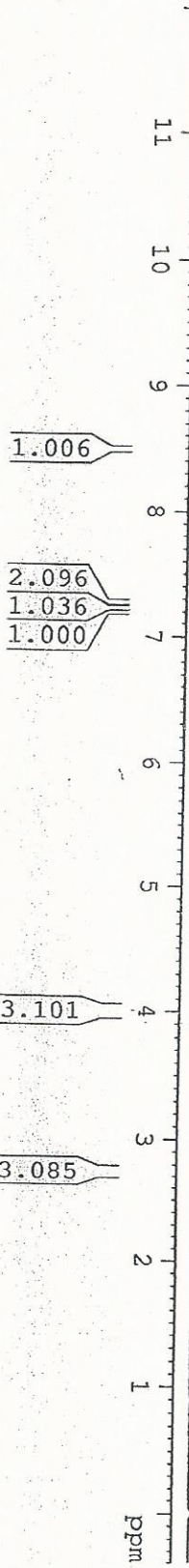
Catalog No.: 13-003
 Product Name: 3-Acetyl-8-methoxycoumarin
 Lot No.: 0312199



¹H IN CDCL₃
 AVANCE-600

SOLVENT CDCL₃
 NS 16
 DS 0
 SMH 10416.667 Hz
 FIDRES 0.347245 Hz
 AQ 1.4399540 sec
 RG 2050
 DW 48.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TDO 1

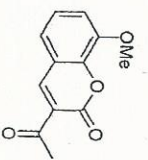
===== CHANNEL F1 =====
 NUC1 ¹H-
 P1 8.30 usec
 P11 -1.00 dB
 P11W 15.17893314 W
 SFO1 600.3344558 MHz
 SI 32768
 SF 600.3300129 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog No.: 19-665
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 Lot No.: 0312199



SOLVENT CDCL₃
 NS 16
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 FIDRES 0.347245 Hz
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 RG 2050
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 DE 6.00 usec
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 NUCL 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SFO1 600.3344558 MHz
 SF 600.3300129 MHz
 MDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN CDCL₃
 AVANCE-600

