



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: 19-086

Product Name: **6-CHLORO-3(2',4'-DICHLOROPHENYL)-4,7-DIMETHYLCOUMARIN**

Lot Number: 99038

Chemical Formula: $C_{17}H_{11}Cl_3O_2$

Molecular Weight: 353.64

Melting Point: 227-229°C

Appearance: Off white powder

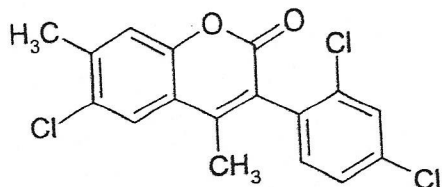
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (9:1)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.62%





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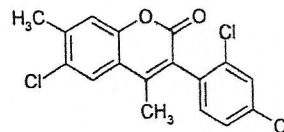
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 6-Chloro-3(2',4'-dichlorophenyl)-4,7-dimethylcoumarin
 Sample ID : Lot No: 99038
 Injection Volume : 20 uL
 Data Filename : 290813M.lcd
 Method Filename : Linear Isocratic.M.lcm

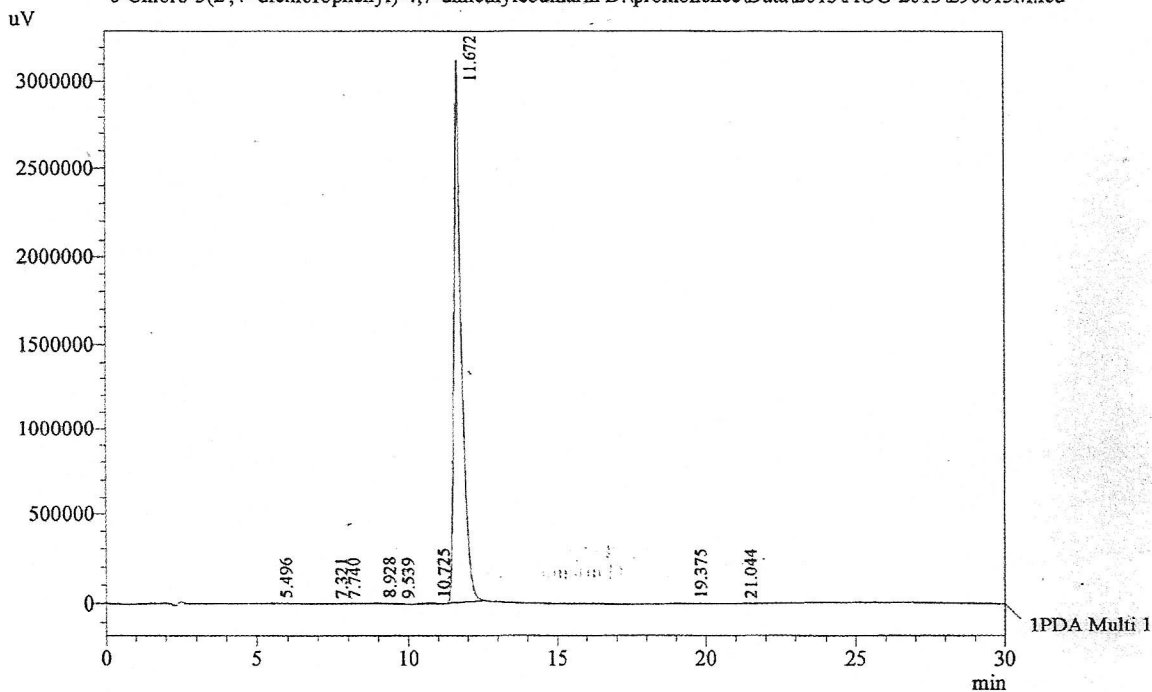
Catalog No.: 19-086
 Product Name: 6-Chloro-3(2',4'-dichlorophenyl)-4,7-dimethylcoumarin
 Lot No.: 99038



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)
 Diluent : Acetonitrile

Chromatogram

6-Chloro-3(2',4'-dichlorophenyl)-4,7-dimethylcoumarin D:\promonence\Data\2013\AUG-2013\290813M.lcd



1 PDA Multi 1 / 220nm 4nm

PeakTable

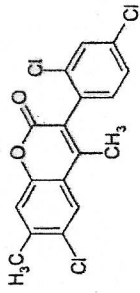
PDA Ch1 220nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:5.496	5.496	28660	0.05	0.47
2	RT:7.321	7.321	7179	0.01	0.63
3	RT:7.740	7.740	4449	0.01	0.66
4	RT:8.928	8.928	84268	0.15	0.76
5	RT:9.539	9.539	10428	0.02	0.82
6	RT:10.725	10.725	47290	0.09	0.92
7	RT:11.672	11.672	54325697	99.62	1.00
8	RT:19.375	19.375	19180	0.04	1.66
9	RT:21.044	21.044	6974	0.01	1.80
Total			54534125	100.00	



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SOLVENT CDC13
 NS 16
 DS 0
 SWH 10775.862 Hz
 FIDRES 0.359219 Hz
 AQ 1.3919572 sec
 RG 20.2
 DW 46.400 usec
 DE 6.00 usec
 IE 298.2 K
 D1 1.50000000 sec
 TD0 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3348457 MHz
 SI 32768
 SF 600.3300126 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

