



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: 19-290

Product Name: **3(3',4'-DIMETHOXYPHENYL)-7-METHOXY-4-PHENYLCOUMARIN**

Lot Number: 0005120

Chemical Formula: C₂₄H₂₀O₅

Molecular Weight: 388.42

Melting Point: 147-148°C

Appearance: Fluorescent yellow powder

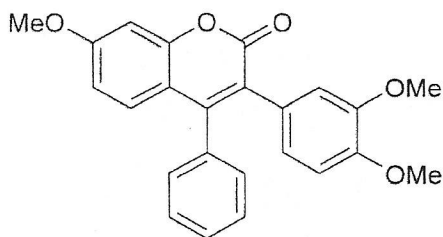
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Comforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.67%





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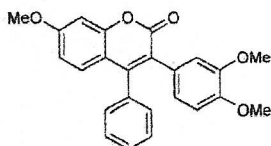
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HPLC ANALYSIS



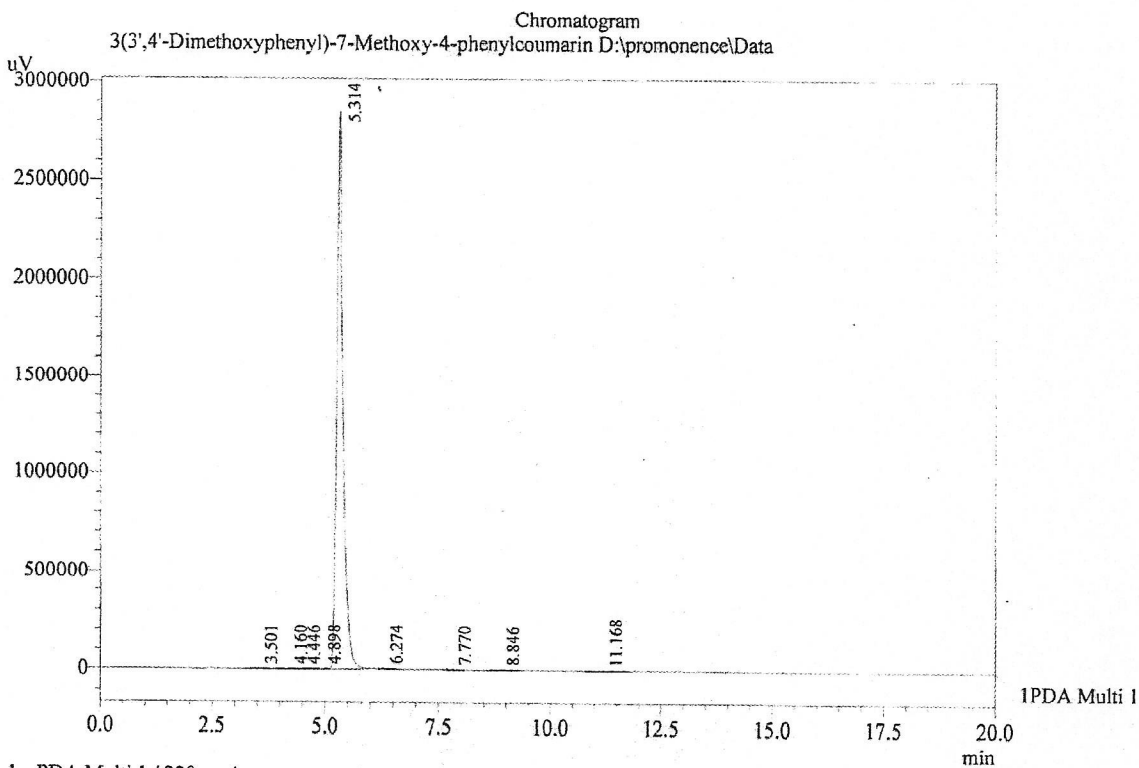
Catalog No.: 19-290

Product Name: 3(3',4'-Dimethoxyphenyl)-7-methoxy-4-phenylcoumarin

Lot No.: 0005120

Acquired by : Sanjeev
Sample Name : 3(3',4'-Dimethoxyphenyl)-7-Methoxy-4-phenylcoumarin
Sample ID : Lot No: 0005120
Injection Volume : 20 uL
Data Filename : 020314B.lcd
Method Filename : Linear Isocratic.M.lcm

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)



PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.501	3.501	11139	0.04	0.66
2	RT:4.160	4.160	10563	0.04	0.78
3	RT:4.446	4.446	13714	0.05	0.84
4	RT:4.898	4.898	19660	0.07	0.92
5	RT:5.314	5.314	27144508	99.67	1.00
6	RT:6.274	6.274	8509	0.03	1.18
7	RT:7.770	7.770	2162	0.01	1.46
8	RT:8.846	8.846	4172	0.02	1.66
9	RT:11.168	11.168	20616	0.08	2.10
Total			27235043	100.00	



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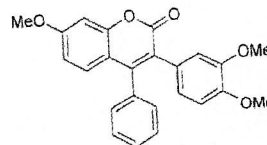
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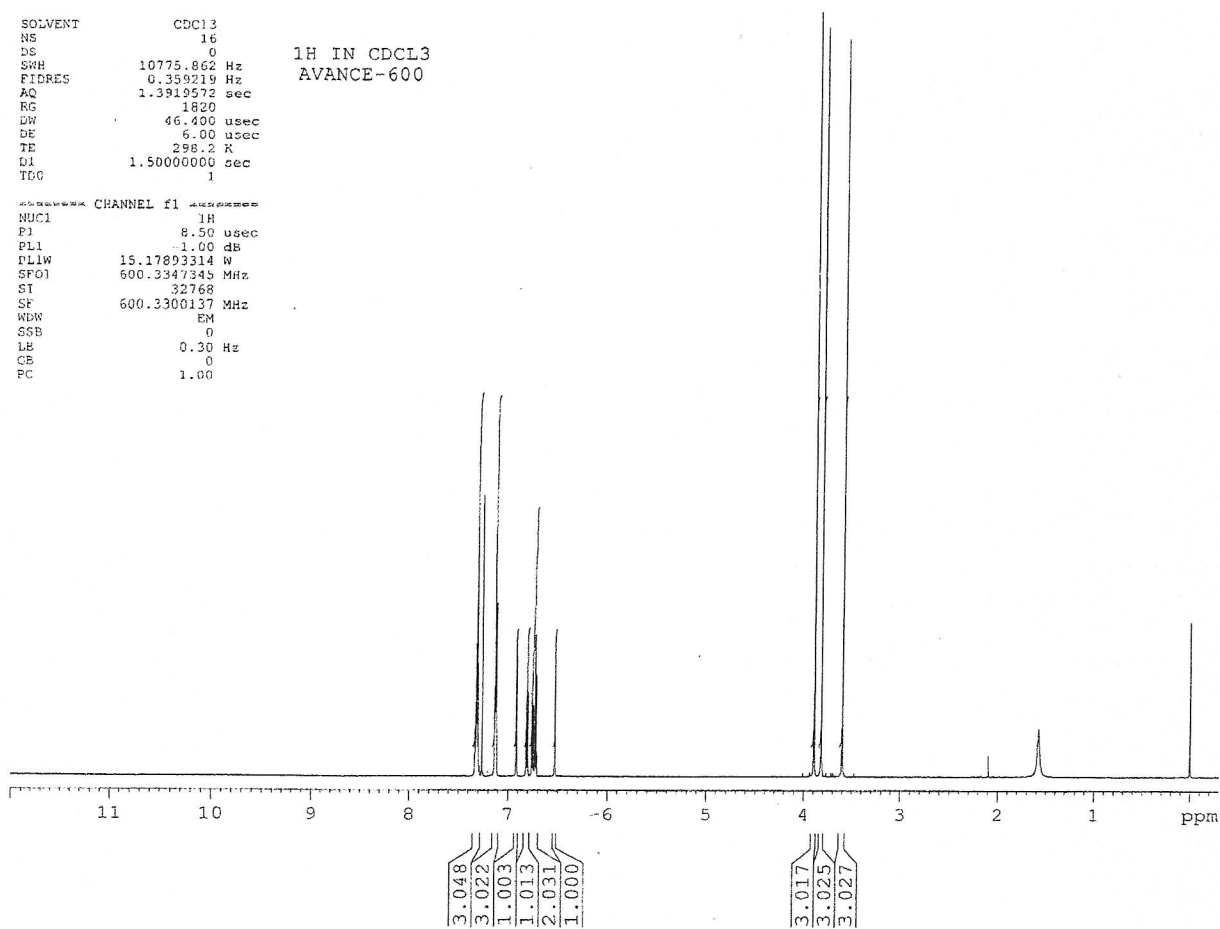
Catalog No.: 19-290
Product Name: 3(3',4'-Dimethoxyphenyl)-7-methoxy-4-phenylcoumarin
Lot No.: 0005120



SOLVENT CDC13
NS 16
DS 0
SWH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 1820
DW 46.400 usec
DE 6.00 usec
TE 298.2 K
DI 1.50000000 sec
TEC 1

1H IN CDCL3
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
SI 32768
SF 600.3300137 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



ICG **INDOFINE Chemical Company, Inc.**

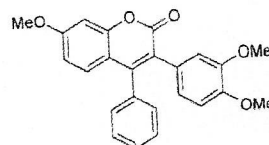
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¹H IN CDCL3
AVANCE-600

***** CHANNEL f1 *****
NUC1 ¹H
P1 8.50 usec
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PL1W 15.17893314 W
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