



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: 19-276

Product Name: **3(3',4'-DIMETHOXYPHENYL)-4-METHYLCOUMARIN**

Lot Number: 000481

Chemical Formula: C₁₈H₁₆O₄

Molecular Weight: 296.33

Melting Point: 163-165°C

Appearance: White powder

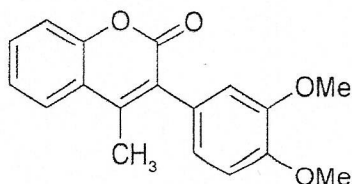
Solubility: Soluble in Chloroform

TLC: Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.77%





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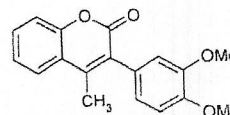
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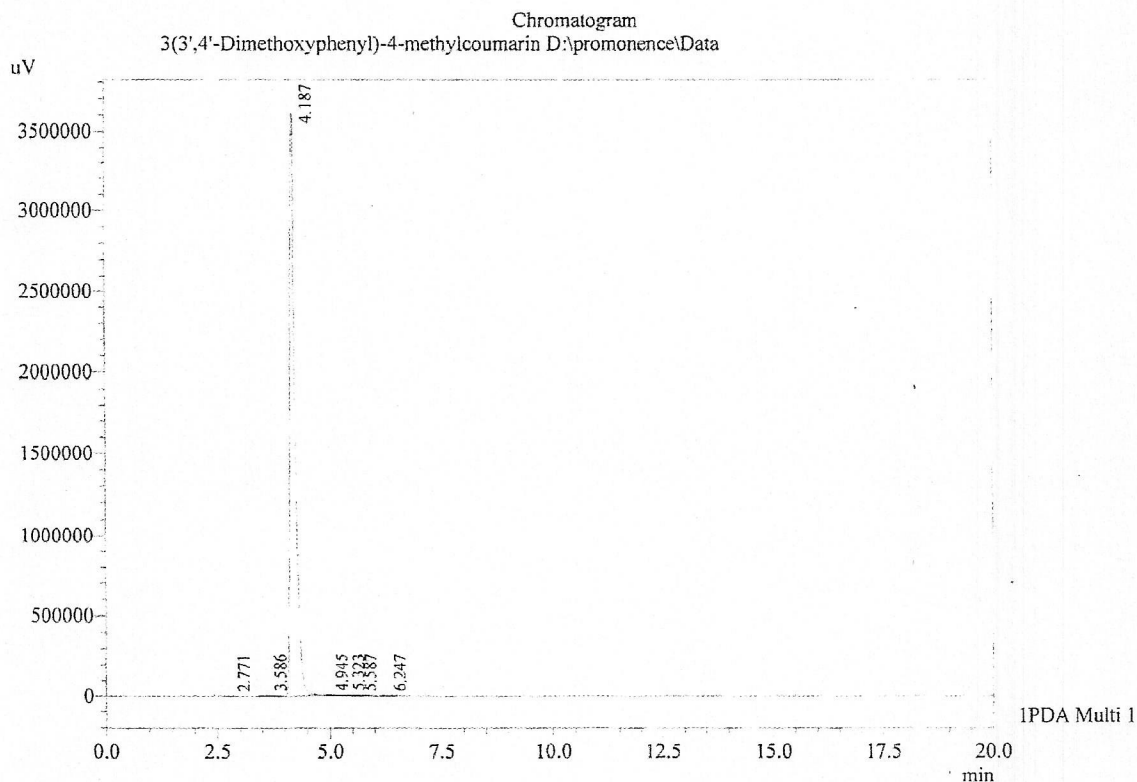
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3(3',4'-Dimethoxyphenyl)-4-methylcoumarin
Sample ID : Lot No: 000481
Injection Volume : 20 uL
Data Filename : 020314C.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 19-276
Product Name: 3(3',4'-Dimethoxyphenyl)-4-methylcoumarin
Lot No.: 000481



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)



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.771	2.771	2209	0.01	0.66
2	RT:3.586	3.586	37698	0.13	0.86
3	RT:4.187	4.187	28926817	99.77	1.00
4	RT:4.945	4.945	8320	0.03	1.18
5	RT:5.323	5.323	7263	0.03	1.27
6	RT:5.587	5.587	9936	0.03	1.33
7	RT:6.247	6.247	1701	0.01	1.49
Total			28993944	100.00	



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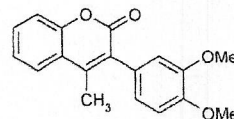
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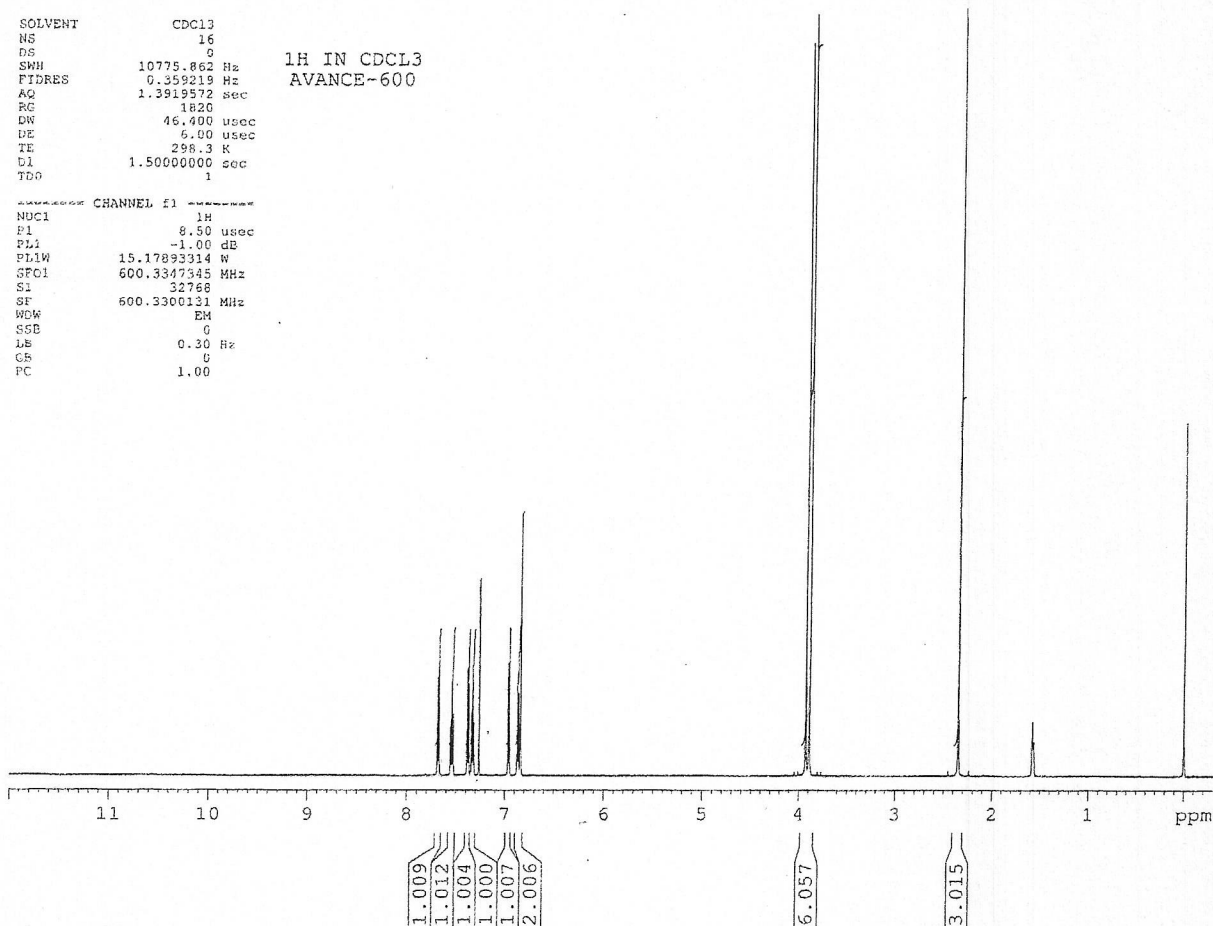
Lot No.: 000481



SOLVENT CDCl₃
NS 16
DS 0
SMH 10775.862 Hz
FIDRES 0.359219 Hz
AQ 1.3919572 sec
RG 1826
DN 46.400 usec
DE 6.00 usec
TE 298.3 K
D1 1.5000000 sec
TD0 1

¹H IN CDCl₃
AVANCE-600

----- CHANNEL f1 -----
NDCl ¹H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SFO1 600.3347345 MHz
S1 32768
SF 600.3300131 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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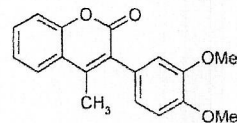
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Product Name: 3(3',4'-Dimethoxyphenyl)-4-methylcoumarin

Lot No.: 000481



```
SOLVENT      CDCl3
NS           16
DS           0
SWH          10775.862 Hz
FIDRES       0.359219 Hz
AQ           1.3919572 sec
RG           1820
DN           46.400 usec
DE           6.00 usec
TE           298.3 K
D1           1.50000000 sec
TD0         1

----- CHANNEL f1 -----
NUC1         1H
P1           8.50 usec
PL1         -1.00 dB
PL1W        15.17893314 W
SFO1        600.3347345 MHz
SI           32768
SF           600.3300131 MHz
WDW          EM
SSB          0
LB           0.30 Hz
GB           0
PC           1.00
```

1H IN CDCl3
AVANCE-600

