



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

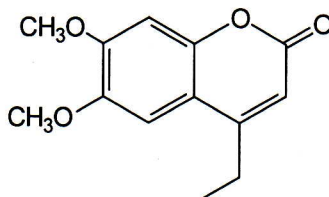
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

CAT. No.: 19-419

<u>Product Name:</u>	6,7-DIMETHOXY-4-ETHYLCOUMARIN
<u>Lot Number:</u>	0109097
<u>Chemical Formula:</u>	C ₁₃ H ₁₄ O ₄
<u>Molecular Weight:</u>	234.25
<u>Melting Point:</u>	149-151°C
<u>Appearance:</u>	Off white powder
<u>TLC:</u>	Hexane:Ethyl acetate (1:1)
<u>Solubility:</u>	Soluble in Chloroform
<u>Purity(HPLC):</u>	99.61%





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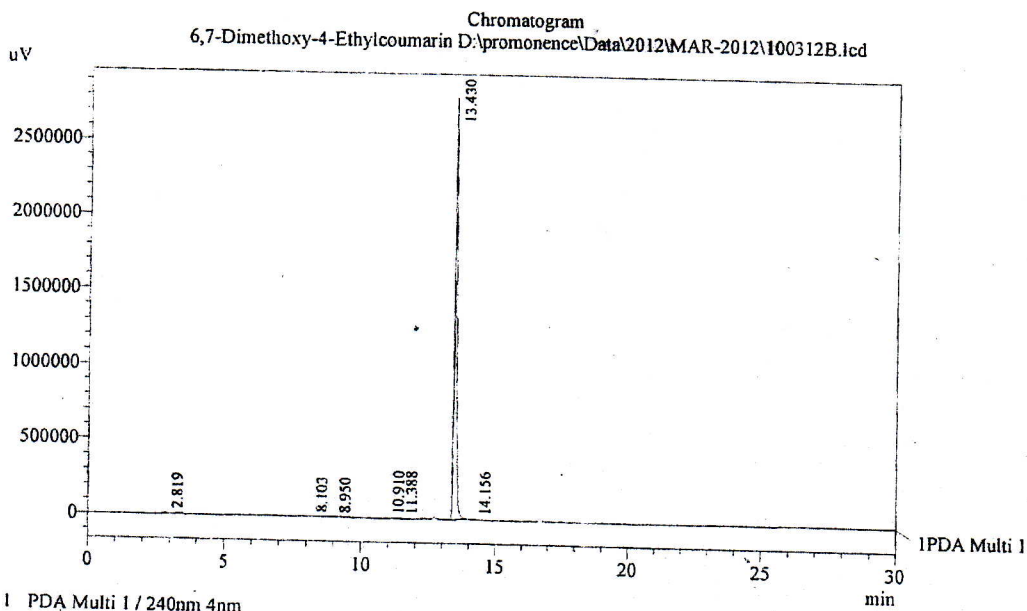
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 6,7-Dimethoxy-4-Ethylcoumarin
 Sample ID : Lot No:-0109097
 Injection Volume : 20 uL
 Data Filename : 100312B.lcd
 Method Filename : Linear Gradient.M.lcm
 Report Filename : BIOSYN.lcr
 Date Acquired : 3/10/2012 11:39:40 AM
 Data Processed : 3/10/2012 12:19:31 PM
 Column : LUNA C-18(2), (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
25.0	90	10
30.0	90	10

Catalog No.: 19-419
 Product name: 6,7-Dimethoxy-4-ethylcoumarin
 Lot No.: 0109097



PDA Ch1 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.819	2.819	45469	0.25	0.21
2	RT:8.103	8.103	2504	0.01	0.60
3	RT:8.950	8.950	2134	0.01	0.67
4	RT:10.910	10.910	9698	0.05	0.81
5	RT:11.388	11.388	5263	0.03	0.85
6	RT:13.430	13.430	18315060	99.61	1.00
7	RT:14.156	14.156	5842	0.03	1.05
Total			18385970	100.00	



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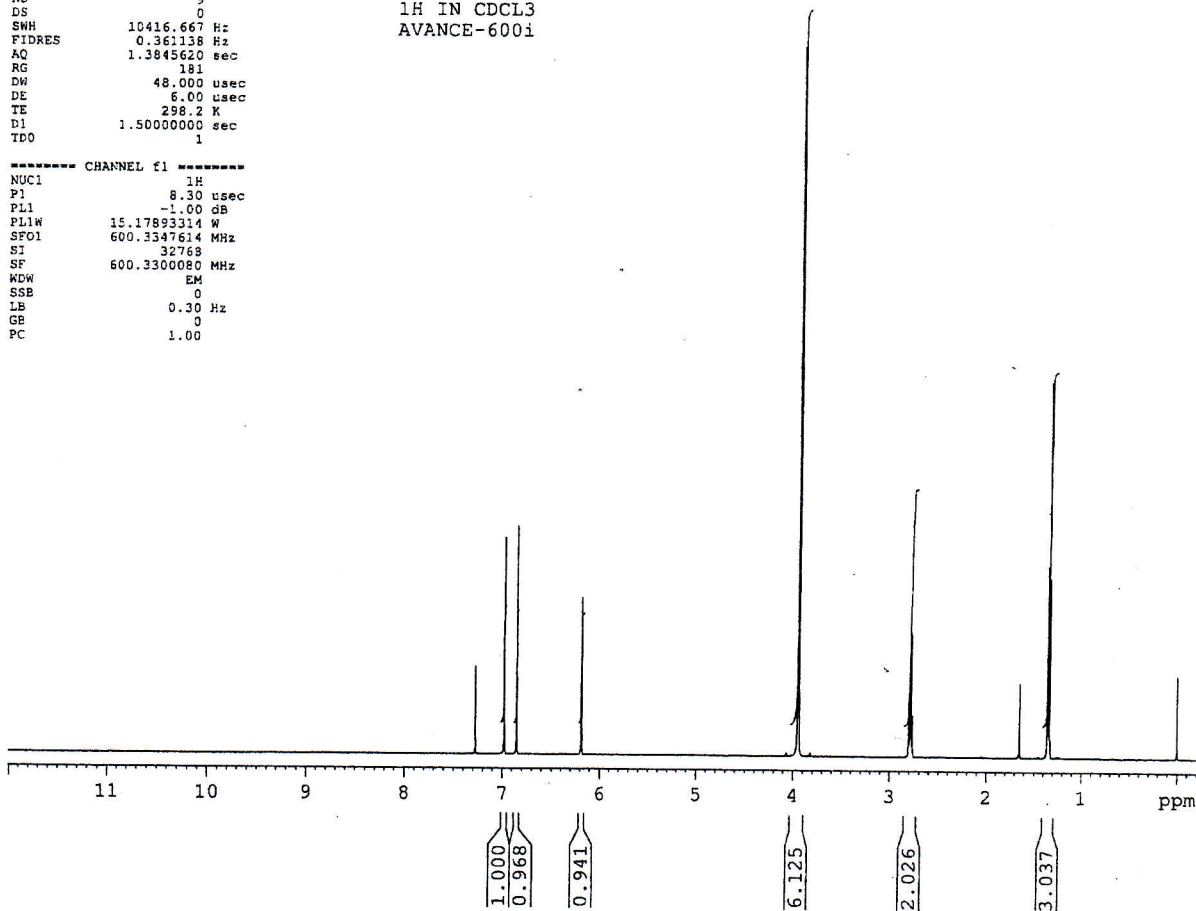
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Catalog No.: 19-419
Product name: 6,7-Dimethoxy-4-ethylcoumarin
Lot No.: 0109097

SOLVENT CDCL3
NS 9
DS 0
SNH 10416.667 Hz
FIDRES 0.361138 Hz
AQ 1.3845620 sec
RG 181
DW 48.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TDO 1

ICC-08 March
1H IN CDCL3
AVANCE-600i

----- CHANNEL f1 -----
NUC1 1H
P1 8.30 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3347614 MHz
SI 32768
SF 600.3300080 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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