



INDOFINE Chemical Company, Inc.

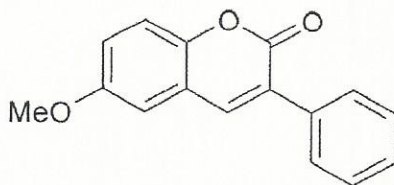
121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

<u>Catalog Number:</u>	19-024
<u>Product Name:</u>	6-METHOXY-3-PHENYLCOUMARIN
<u>CAS Number:</u>	[6468-48-0]
<u>Lot Number:</u>	98081
<u>Chemical Formula:</u>	C ₁₆ H ₁₂ O ₃
<u>Molecular Weight:</u>	252.27
<u>Melting Point:</u>	157-159°C
<u>Appearance:</u>	Pale cream powder
<u>TLC:</u>	Hexane: Ethyl acetate (8:2)
<u>Solubility:</u>	Soluble in chloroform
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity (HPLC):</u>	99.82%





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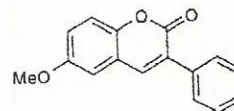
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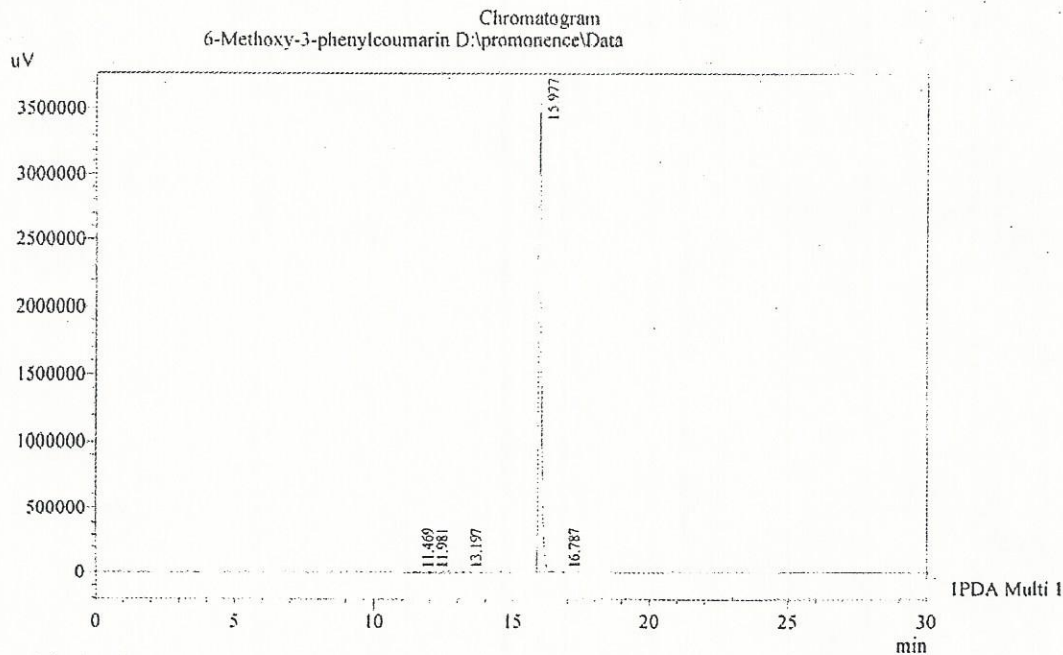
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 6-Methoxy-3-phenylcoumarin
Sample ID : Lot No: 98081
Injection Volume : 20 uL
Data Filename : 190514M.lcd
Method Filename : Linear Grad'ent.M.lcm

Catalog No.: 19-024
Product Name: 6-Methoxy-3-phenylcoumarin
Lot No.: 98081



Column : Phenomenex Luna-C18 (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
23.0 90 10
30.0 90 10
Diluent : Acetonitrile



1 PDA Multi 1 / 240nm 4nm

PeakTable

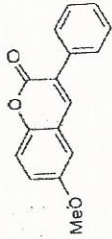
PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.474	11.469	18238	0.07	0.72
2	RT:11.975	11.981	12136	0.05	0.75
3	RT:13.199	13.197	8560	0.03	0.83
4	6-OMe-3-phenylcoumarin	15.977	26042497	99.82	1.00
5	RT:16.783	16.787	6965	0.03	1.05
Total			26088396	100.00	



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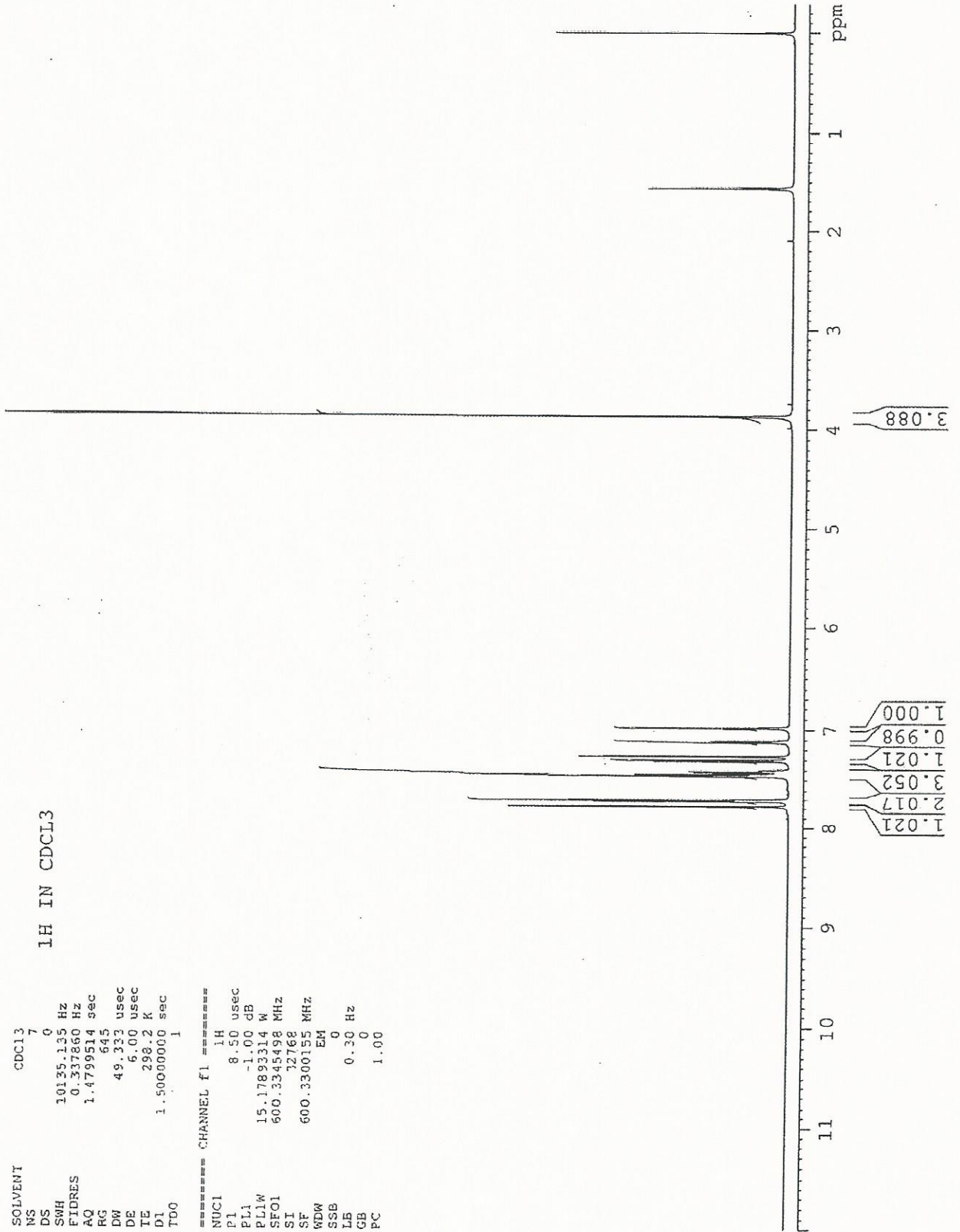
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Product Name: 6-Methoxy-3-phenylcoumarin
Lot No.: 98081



SOLVENT CDCL3
NS 7
DS 0
SMH 10135.135 Hz
FIDRES 0.337860 Hz
AQ 1.4799514 sec
RG 645
DW 49.332 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDO 1

===== CHANNEL f1 =====
NUC1 1H
P1 8.50 usec
PL1 -1.00 dB
PL1W 15.17893314 W
SF01 600.3345498 MHZ
SI 32768
SF 600.3300155 MHZ
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

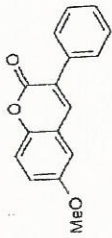
1H IN CDCL3





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 Product Name: 6-Methoxy-3-phenylcoumarin
 Lot No.: 98081



1H IN CDCL3

SOLVENT CDCL3
 NS 7
 DS 0
 SKWH 10135.135 Hz
 FIDRES 0.337860 Hz
 AQ 1.4799514 sec
 RG 645
 DW 49.333 usec
 DE 6.00 usec
 TE 298.2 K
 DL 1.50000000 sec
 TDO 1

==== CHANNEL f1 =====
 NUC1 1H
 P1 8.50 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345498 MHz
 SI 32768
 SF 600.3300155 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

