

**ICG** **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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

**CERTIFICATE OF ANALYSIS**

Catalog Number: 19-295

Product Name: 7-ALLYLOXYCOUMARIN

CAS Number: [31005-03-5]

Lot Number: 0007147

Chemical Formula: C<sub>12</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 202.21

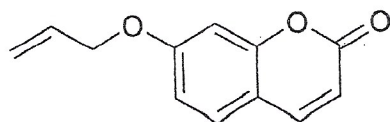
Appearance: Off-white powder

Melting Point: 83-85°C

NMR Spectrum: Enclosed (conforms to structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.52%



Prepared by:  
*Ramesh Mandadi*  
Ramesh Mandadi  
Director of Operations

Reviewed and Approved by:  
*Sujata Moton*  
Sujata Moton  
VP



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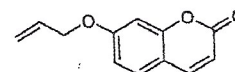
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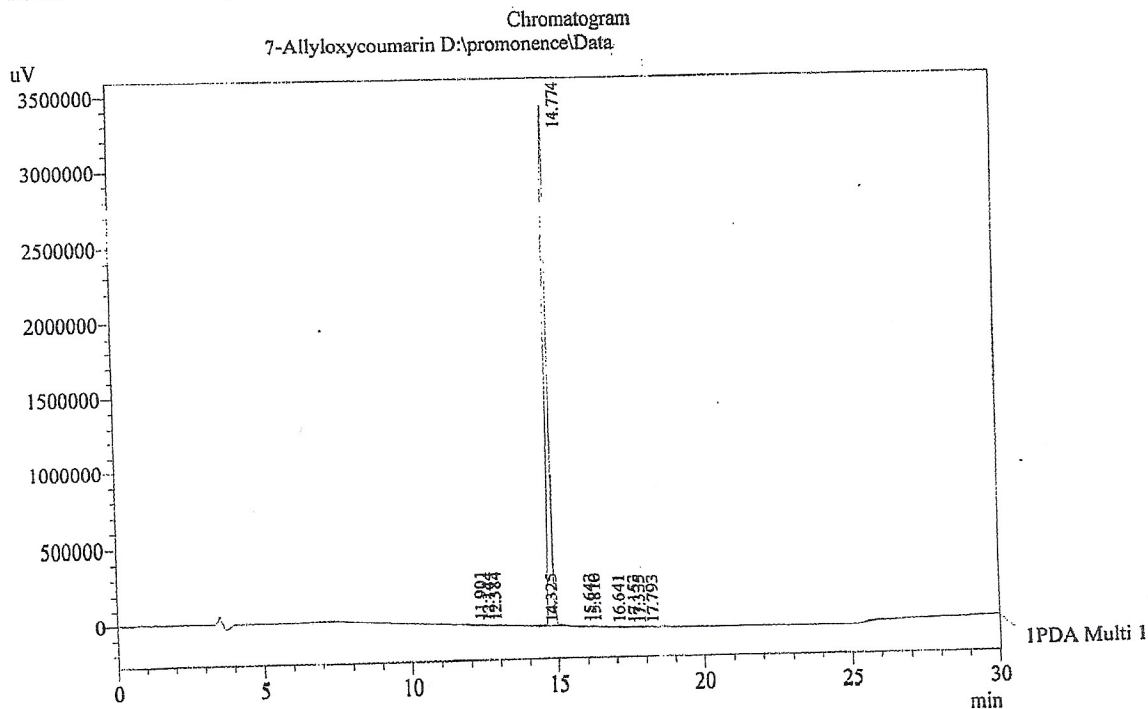
## HPLC ANALYSIS

Acquired by : Sanjeev  
 Sample Name : 7-Allyloxycoumarin  
 Sample ID : Lot No: 0007147  
 Injection Volume : 20 uL  
 Data Filename : 011214G.lcd  
 Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-295  
 Product Name: 7-Allyloxycoumarin  
 Lot No.: 0007147



Column : Gemini C18 (250mm x4.6mm 5.0μ)  
 Flow : 1.000 mL/min.  
 Mobile Phase : A(0.05% of 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



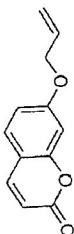
1 PDA Multi 1 / 220nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.901	11.901	37705	0.15	0.81
2	RT:12.144	12.144	5197	0.02	0.82
3	RT:12.384	12.384	24873	0.10	0.84
4	RT:14.325	14.325	1969	0.01	0.97
5	7-Allyloxycoumarin	14.774	25369926	99.52	1.00
6	RT:15.643	15.643	20227	0.08	1.06
7	RT:15.810	15.810	12256	0.05	1.07
8	RT:16.641	16.641	4638	0.02	1.13
9	RT:17.153	17.153	3961	0.02	1.16
10	RT:17.335	17.335	4625	0.02	1.17
11	RT:17.793	17.793	7939	0.03	1.20
Total			25493315	100.00	



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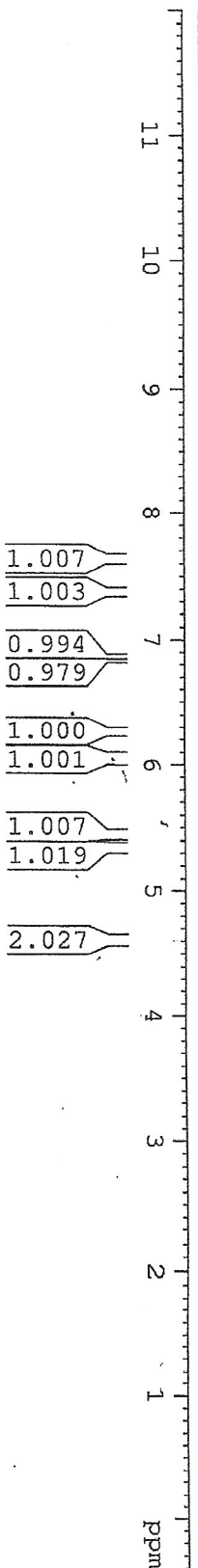


Catalog No.: 19-295  
Product Name: 7-Allyloxy coumarin  
Lot No.: 0007147

SOLVENT CDCL3  
NS 32  
DS 0  
SRH 10416.667 Hz  
FIDRES 0.387295 Hz  
AQ 1.4399340 sec  
RG 2050  
DW 48.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

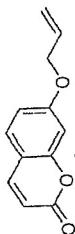
1H IN CDCL3  
AVANCE-600

==== CHANNEL F1 =====  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3344558 MHz  
SI 32768  
SF 600.3300135 MHz  
MDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





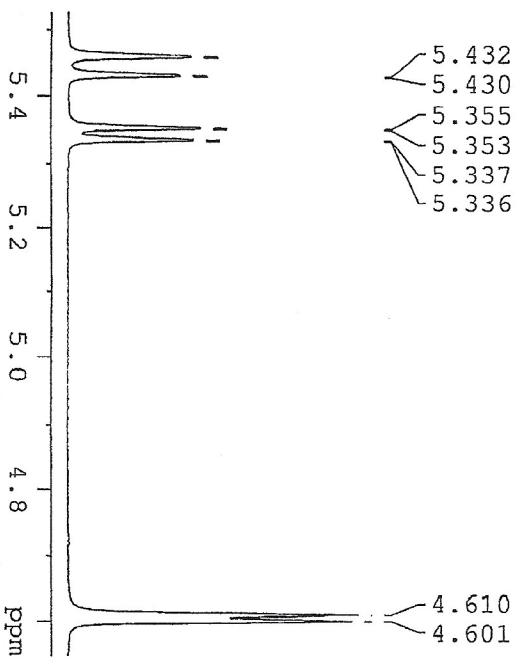
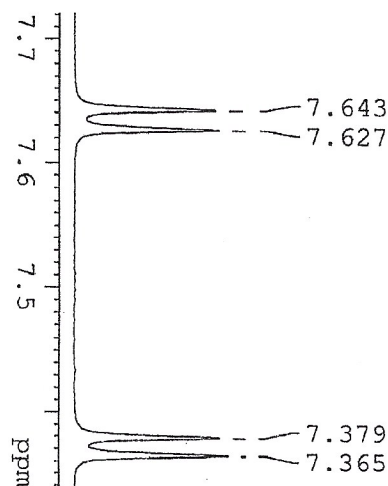
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Catalog No.: 19-295  
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<sup>1</sup>H IN CDCL<sub>3</sub>  
AVANCE-600

===== CHANNEL F1 =====  
SOVENT CDCL<sub>3</sub>  
NS 32  
DS 0  
SMH 10416.667 Hz  
FIDRES 0.347245 Hz  
AQ 1.4399540 sec  
RG 2050  
DM 48.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1  
===== CHANNEL F1 =====  
NUC1 <sup>1</sup>H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3344558 MHz  
SI 32768  
SF 600.3300135 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00



6.875  
6.872  
6.861  
6.857  
6.834  
6.830

6.264  
6.248

6.080  
6.071  
6.062  
6.053  
6.042  
6.033  
6.024

