



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: 19-227

Product Name: **8-ALLYLOXYPSORALEN**

Lot Number: 000212

Chemical Formula: C₁₄H₁₀O₄

Molecular Weight: 242.23

Melting Point: 80-82°C

Appearance: Off white fluffy powder

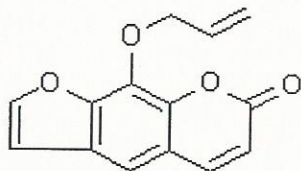
Solubility: Soluble in Chloroform

TLC: Hexane: Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Purity(HPLC): 98.69%

Storage: Store in cool,dry place





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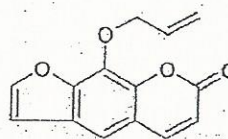
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HPLC ANALYSIS

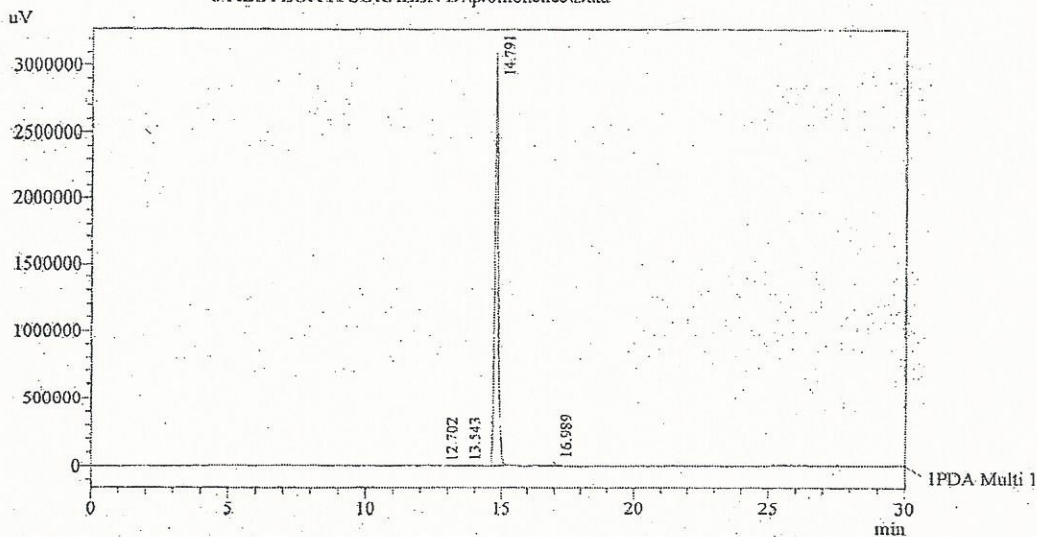
Acquired by : Sanjeev
 Sample Name : 8-ALLYLOXYPSORALEN
 Sample ID : Lot No:-000212
 Injection Volume : 20 uL
 Data Filename : 090412E.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog no.: 19-227
 Product name: 8-Allyloxypsoralen
 Lot No.: 000212



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
 23.0 90 10
 30.0 90 10

Chromatogram
 8-ALLYLOXYPSORALEN D:\promonence\lData



1 PDA Multi 1 / 240nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.702	12.702	5377	0.02	0.86
2	RT:13.543	13.543	48966	0.18	0.92
3	RT:14.791	14.791	26146664	98.69	1.00
4	RT:16.989	16.989	293244	1.11	1.15
Total			26494230	100.00	



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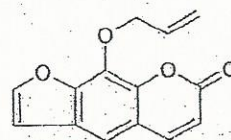
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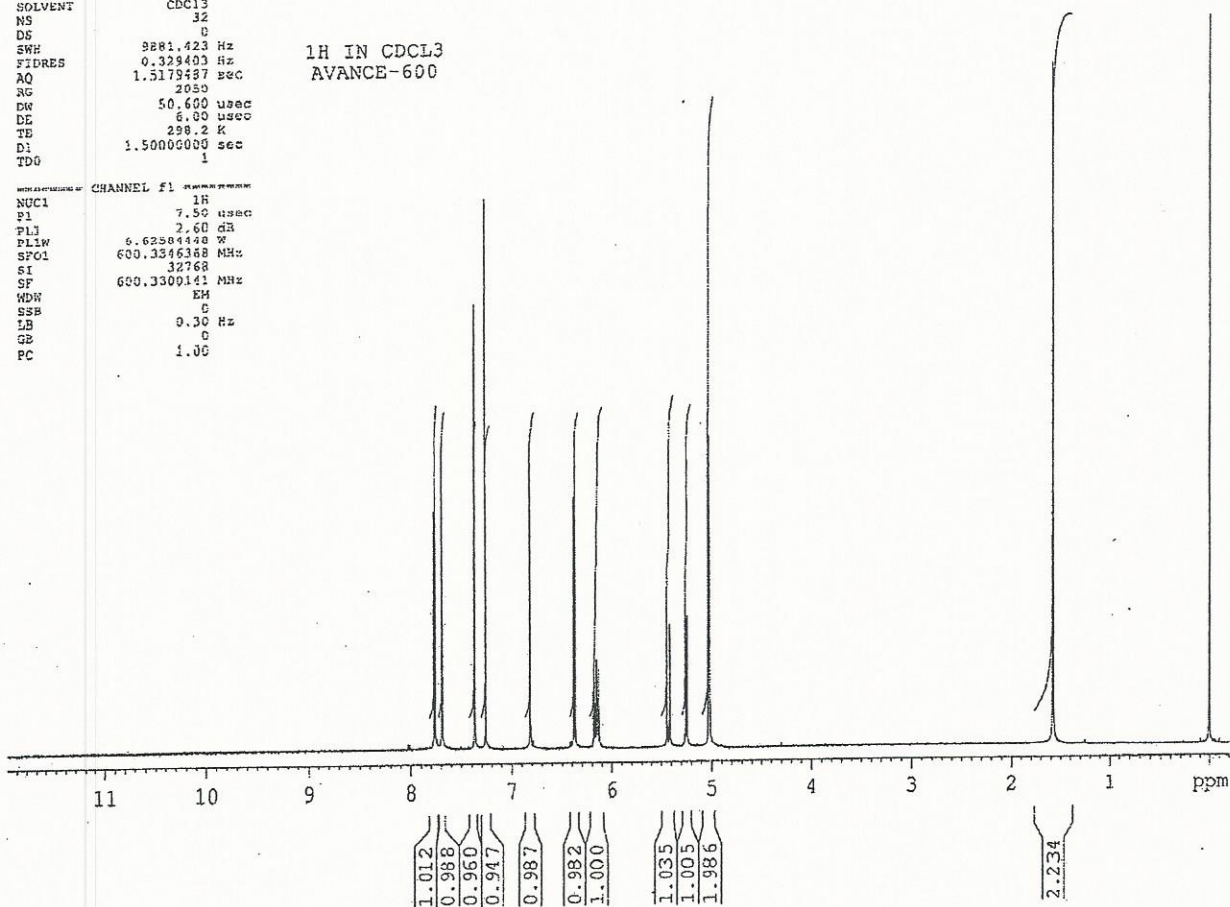
Catalog no.: 19-227
Product name: 8-Allyloxypsoralen
Lot No.: 000212



SOLVENT CDCl3
NS 32
DS 0
SWH 3881.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179437 sec
RG 2050
DM 50.600 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

1H IN CDCl3
AVANCE-600

CHANNEL F1
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62504440 W
SFO1 600.3346368 MHz
SI 32768
SF 600.3300141 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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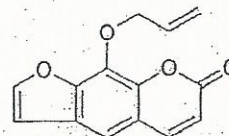
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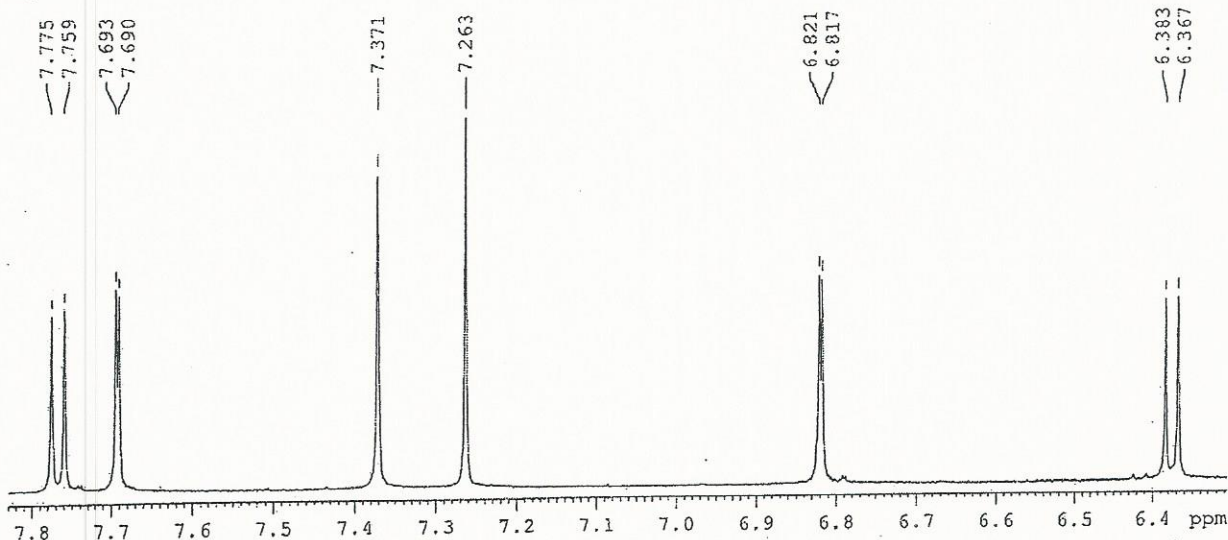
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Product name: 8-Allyloxypsoralen
Lot No.: 000212



SOLVENT CDCl3
NS 32
DS 0
SHE 9981.423 Hz
FIDRES 0.329483 Hz
AQ 1.5178487 sec
RG 2050
DW 50.600 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 7.50 usec
PL1 2.60 dB
PL1W 6.62504458 W
SFO1 600.3346388 MHz
SI 32768
SF 600.3300141 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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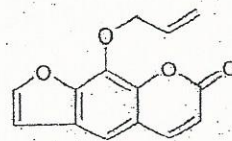
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SOLVENT CDCl3
NS 32
DS 0
SWH 5031.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179487 sec
RG 2050
DW 50.600 usec
DE 6.00 usec
TE 298.2 K
D1 1.8000000 sec
TD0 1

1H IN CDCl3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 1.50 usec
PL1 2.40 dB
PLW 6.62504448 W
SFO1 600.3346368 MHz
SI 32768
SF 600.3309141 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

6.180
6.173
6.170
6.163
6.152
6.144
6.142
6.134
6.125

5.446
5.444
5.417
5.415

5.259
5.257
5.242
5.240

5.028
5.020
5.018

