



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: 020536S

Product Name: **ISOPIMPINELLIN with HPLC**
(4,9-Dimethoxypsoralen)

CAS Number: [482-27-9]

Lot Number: 1505607

Chemical Formula: C₁₃H₁₀O₅

Molecular Weight: 246.22

Melting Point: 145-146°C

Appearance: Light yellow powder

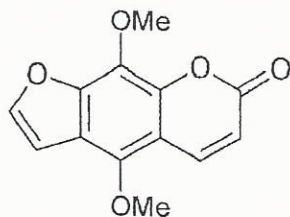
TLC: n-Hexane:Ethyl acetate (7:3)

Solubility: Soluble in chloroform

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place. Protected from light.

Purity(HPLC): 99.50%





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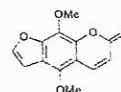
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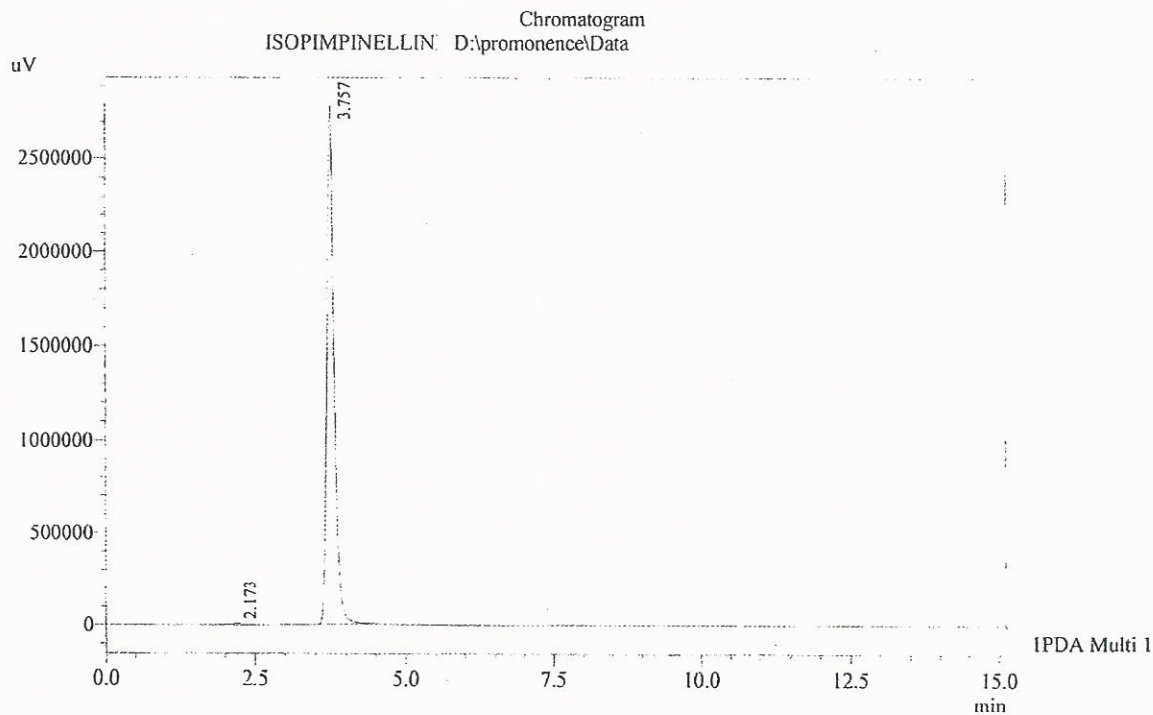
HPLC ANALYSIS

Acquired by : Admin
Sample Name : ISOPIMPINELLIN
Sample ID : Lot no:1505607
Injection Volume : 20 uL
Data Filename : 190815N.lcd
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 020536S
Product Name: Isopimpinellin
Lot No.: 1505607



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:2.173	2.173	115704	0.50	0.58
2	ISOPIMPINELLIN	3.757	23034726	99.50	1.00
Total			23150430	100.00	



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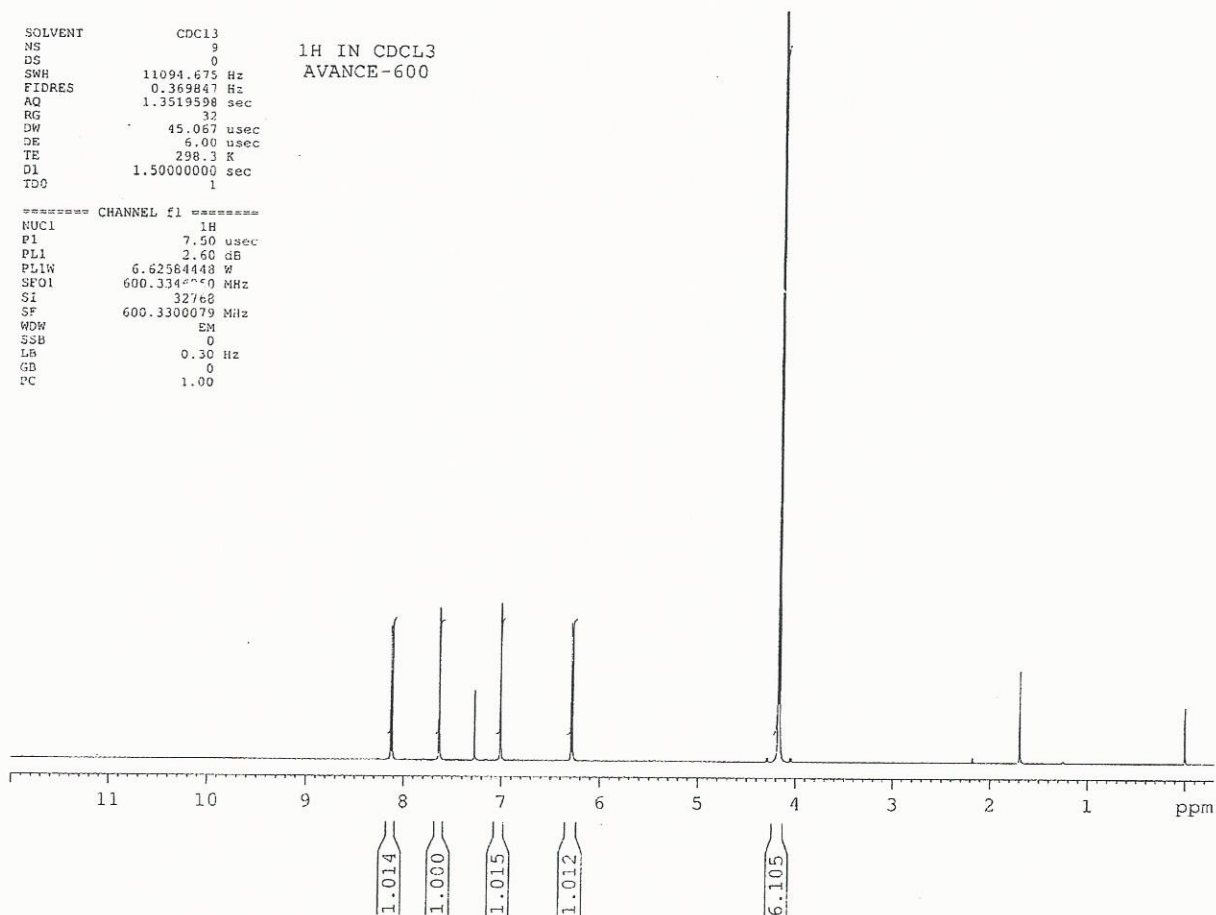
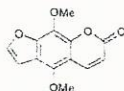
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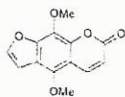
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SOLVENT CDCl₃
NS 9
DS 0
SWH 11094.675 Hz
FIDRES 0.369847 Hz
AQ 1.3519598 sec
RG 32
DW 45.067 usec
DE 6.00 usec
TE 298.3 K
D1 1.50000000 sec
TD0 1

1H IN CDCl₃
AVANCE-600

***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3346850 MHz
SI 32768
SF 600.3300079 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

