



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.: 19-309

Product: 6,7-DIMETHOXY-3-ISOCHROMANONE

Lot Number: 0007163

Chemical Formula: C₁₁H₁₂O₄

Molecular Weight: 208.21

Melting Point: 102°C

Appearance: Brown color powder

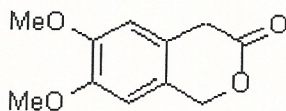
TLC: Hexane: Ethyl acetate (1:1)

Solubility: Soluble in Chloroform

NMR Spectrum: Enclosed

Purity: (HPLC) 92.85%

Storage: Cool dry place



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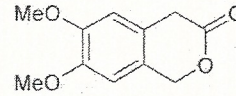
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HPLC ANALYSIS

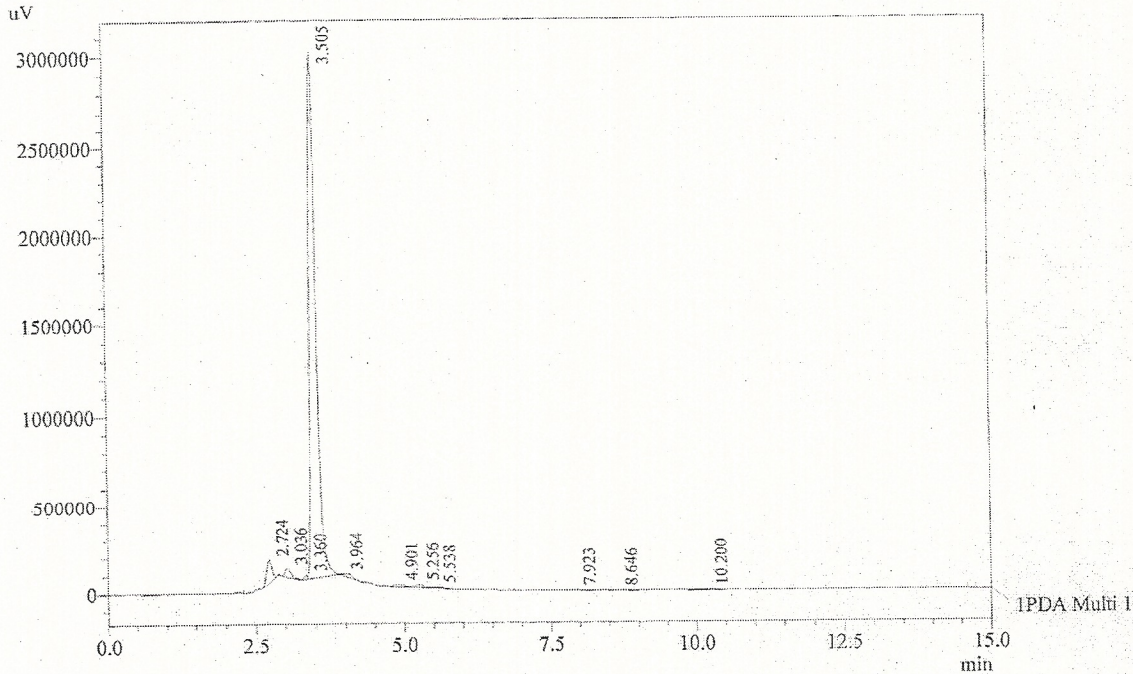
Catalog no.: 19-309
Product name: 6,7-Dimethoxy-3-isochromanone
Lot No.: 0007163

Acquired by : Sanjeev
Sample Name : 6,7-Dimethoxy-3-Isochromanone
Sample ID : Lot No:-0007163
Injection Volume : 20 uL
Data Filename : 100412C.lcd
Method Filename : Linear Isoocratic.M.lcm



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(40% of 0.05% TFA in water) B(60% of Acetonitrile)

Chromatogram
6,7-Dimethoxy-3-Isochromanone D:\promonence\Data\2012\APR-2012\100412C.lcd



1 PDA Multi 1 / 210nm 4nm

PeakTable

PDA CH1 210nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:2.724	2.724	761574	3.17	0.78
2	RT:3.036	3.036	311628	1.30	0.87
3	RT:3.360	3.360	63639	0.27	0.96
4	RT:3.505	3.505	22283829	92.85	1.00
5	RT:3.964	3.964	160484	0.67	1.13
6	RT:4.901	4.901	144744	0.60	1.40
7	RT:5.256	5.256	109493	0.46	1.50
8	RT:5.538	5.538	52859	0.22	1.58
9	RT:7.923	7.923	50154	0.21	2.26
10	RT:8.646	8.646	11914	0.05	2.47
11	RT:10.200	10.200	49122	0.20	2.91
Total			23999439	100.00	



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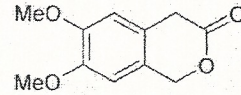
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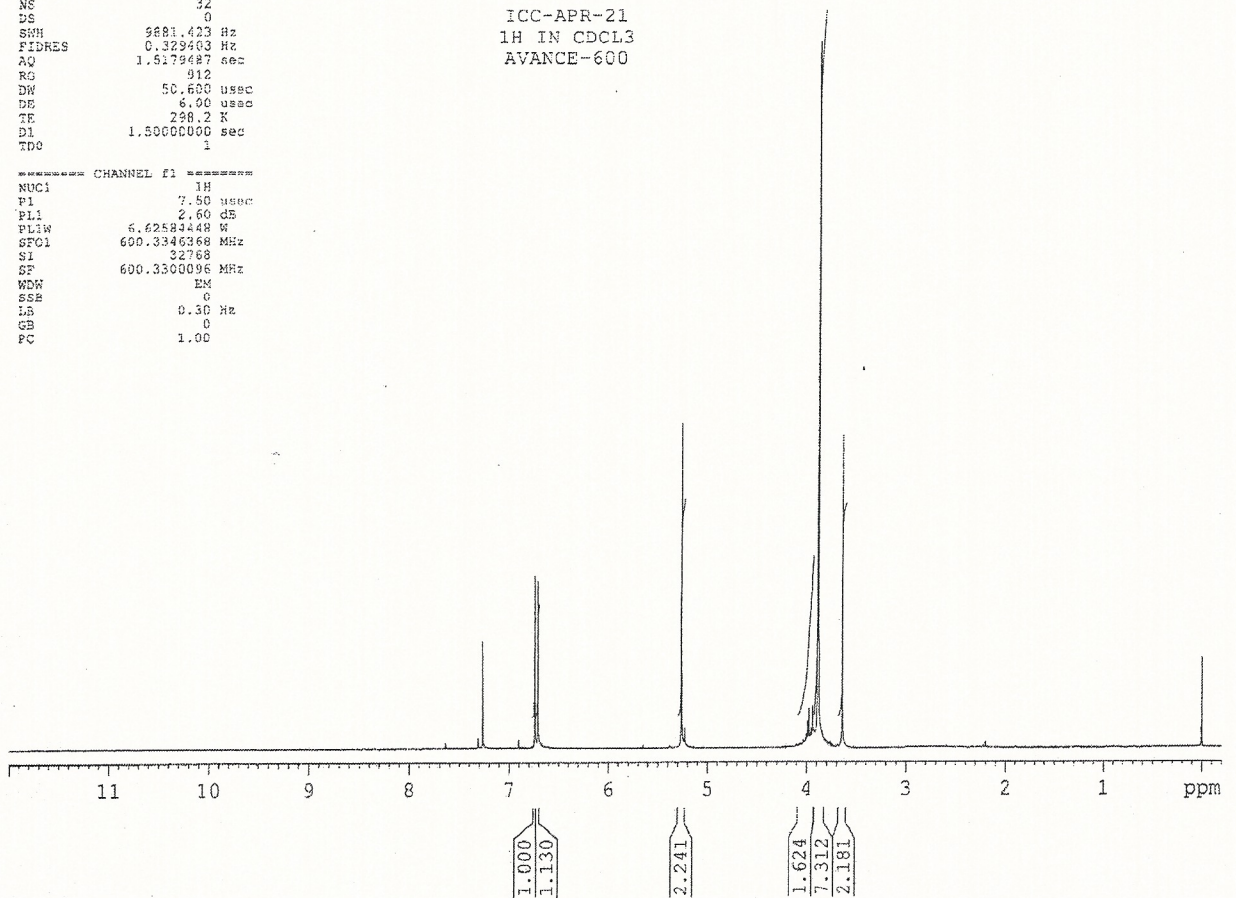
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Product name: 6,7-Dimethoxy-3-isochromanone
Lot No.: 0007163



SOLVENT CDCl3
NS 32
DS 0
SMH 9681.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179487 sec
RG 912
DW 50.600 ussec
DE 6.00 ussec
TE 298.2 K
D1 1.5000000 sec
TDO 1

ICC-APR-21
1H IN CDCL3
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 ussec
PL1 2.60 dB
PL1W 5.62581448 W
SFO1 600.3346368 MHz
SI 32768
SF 600.3300096 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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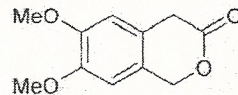
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SOLVENT CDC13
NS 32
JC 0
SNH 9881.423 Hz
FIDRES 0.329403 Hz
AQ 1.5179487 sec
RG 912
DF 50.600 usec
DE 6.00 usec
TE 298.2 K
D1 1.59606060 sec
TD0 1

ICC-APR-21
1H IN CDCL3
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.00 dB
PL1W 6.62584448 W
SFO1 600.3346368 MHz
SI 32768
SF 600.3300096 MHz
WDW EM
SSE 0
LR 0.30 Hz
GB 0
PC 1.00

