



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: **021294**

Product Name: **3,4-DIMETHOXYCHALCONE**

CAS Number: [5416-71-7]

Lot Number: 1309379

Chemical Formula: $C_{17}H_{16}O_3$

Molecular Weight: 268.32

Melting Point: 87-89°C

Appearance: Yellow crystalline powder

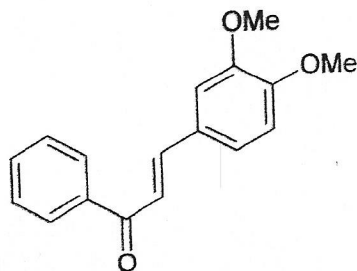
Solubility: Soluble in Chloroform

TLC: Hexane:Ethyl acetate [7:3]

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.76%





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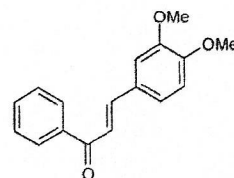
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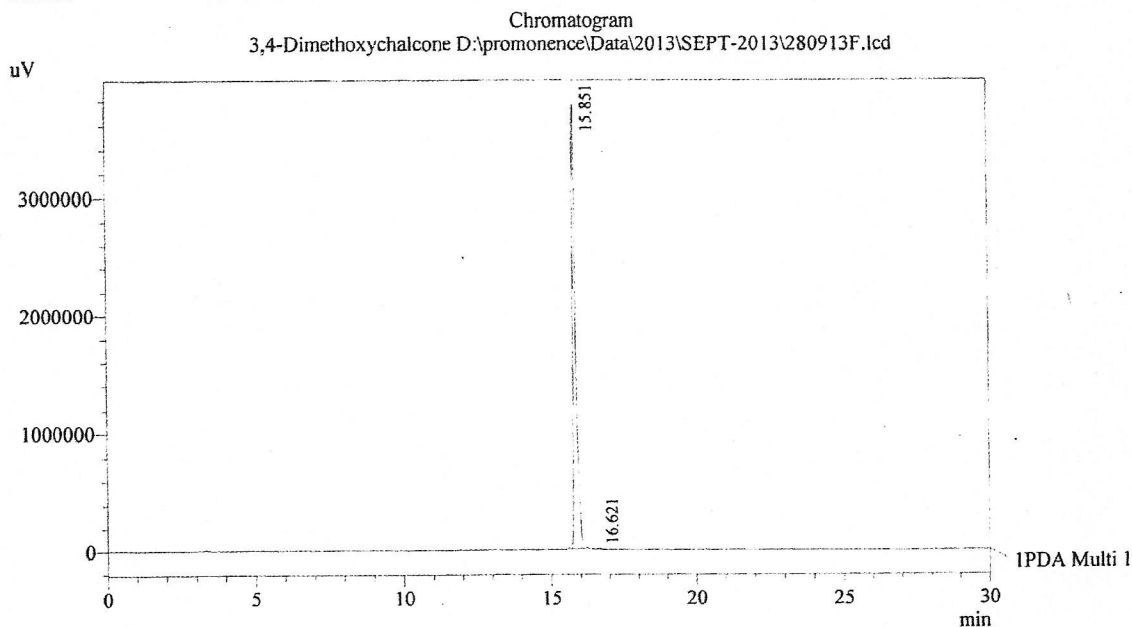
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3,4-Dimethoxychalcone
Sample ID : Lot No:-1309379
Injection Volume : 20 uL
Data Filename : 280913F.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 021294
Product Name: 3,4-Dimethoxychalcone
Lot No.: 1309379



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
Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

PeakTable

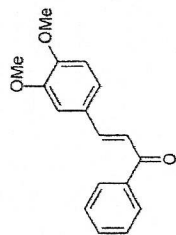
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	3,4-Dimethoxychalcone	15.851	27432690	99.76	1.00
2	RT:16.621	16.621	67057	0.24	1.05
Total			27499747	100.00	



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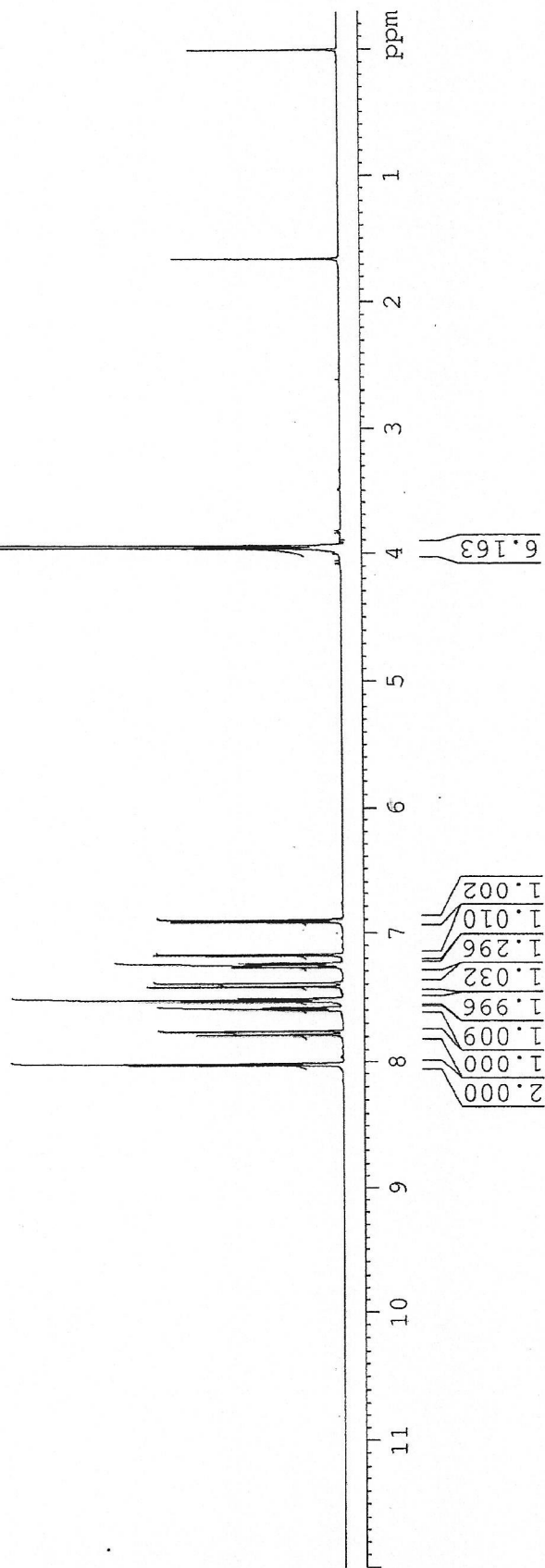
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1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
NS 8
DS 0
SWH 10245.901 Hz
FIDRES 0.284166 Hz
AQ 1.7595828 sec
RG 22.6
DW 48.800 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

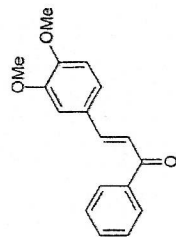
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NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3346351 MHz
SI 32768
SF 600.3300113 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Catalog No.: 021294
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Lot No.: 1309379



SOLVENT CDCL3
NS 8
DS 0
SWH 10245.901 Hz
FIDRES 0.284166 Hz
AQ 1.7595828 sec
RG 22.6
DW 48.800 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

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NUC1 1H
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PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3346351 MHz
SI 32768
SF 600.3300113 MHz
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SSB 0
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GB 0
PC 1.00

