



# INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

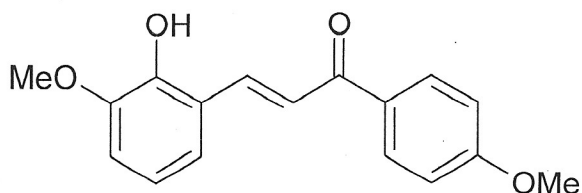
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: [www.indofinechemical.com](http://www.indofinechemical.com)

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

## CERTIFICATE OF ANALYSIS

<u>Product name:</u>	<b>3,4'-DIMETHOXY-2-HYDROXYCHALCONE</b>
<u>Catalog No.:</u>	19-670
<u>Lot No.:</u>	0312208
<u>Molecular Formula:</u>	C <sub>17</sub> H <sub>16</sub> O <sub>4</sub>
<u>Molecular Weight:</u>	284.32
<u>Melting Point:</u>	142-143°C
<u>Appearance:</u>	Yellow shining powder
<u>TLC:</u>	Hexane:Ethyl acetate (7:3)
<u>Solubility:</u>	Soluble in Chloroform
<u>NMR Spectrum:</u>	Enclosed
<u>Storage:</u>	Cool, dry place
<u>Purity(HPLC):</u>	99.89%





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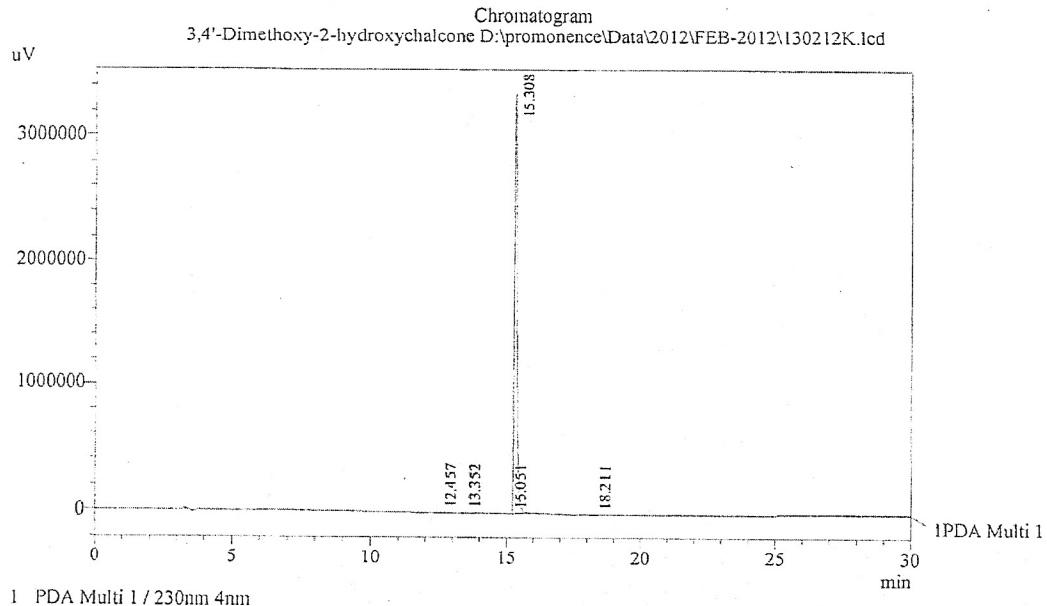
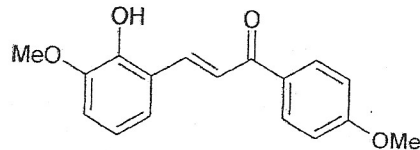
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## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,4'-Dimethoxy-2-hydroxychalcone  
Sample ID : Lot No:-0312208  
Injection Volume : 20 uL  
Data Filename : 130212K.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: 19-670  
Product name: 3,4'-Dimethoxy-2-hydroxychalcone  
Lot No.: 0312208

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  
25.0 90 10  
30.0 90 10



PDA Ch1 230nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.457	12.457	8048	0.03	0.81
2	RT:13.352	13.352	9818	0.04	0.87
3	RT:15.051	15.051	4988	0.02	0.98
4	RT:15.308	15.308	24674042	99.89	1.00
5	RT:18.211	18.211	5182	0.02	1.19
Total			24702078	100.00	



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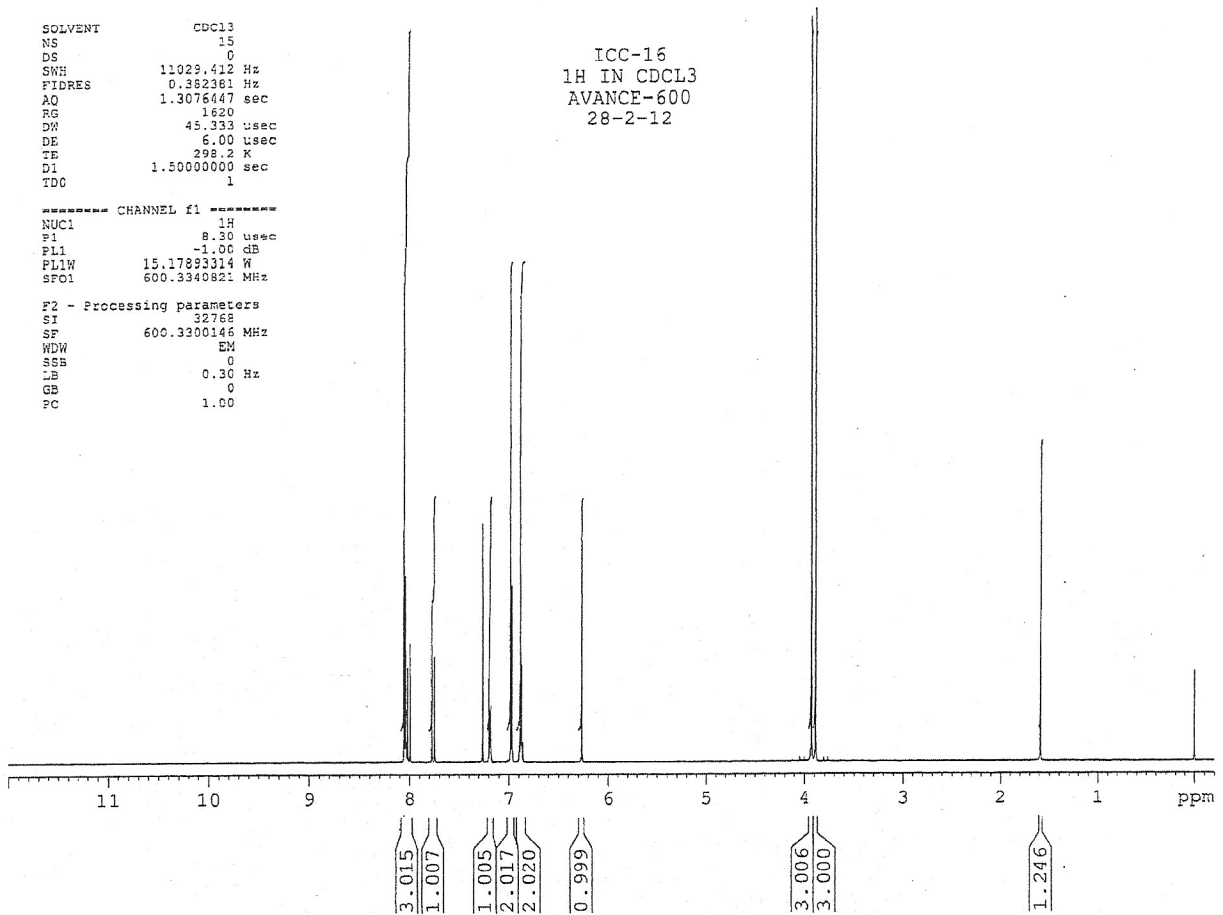
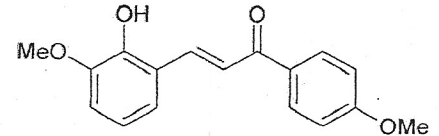
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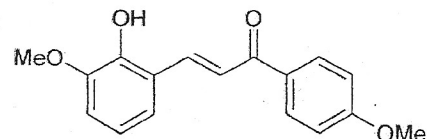
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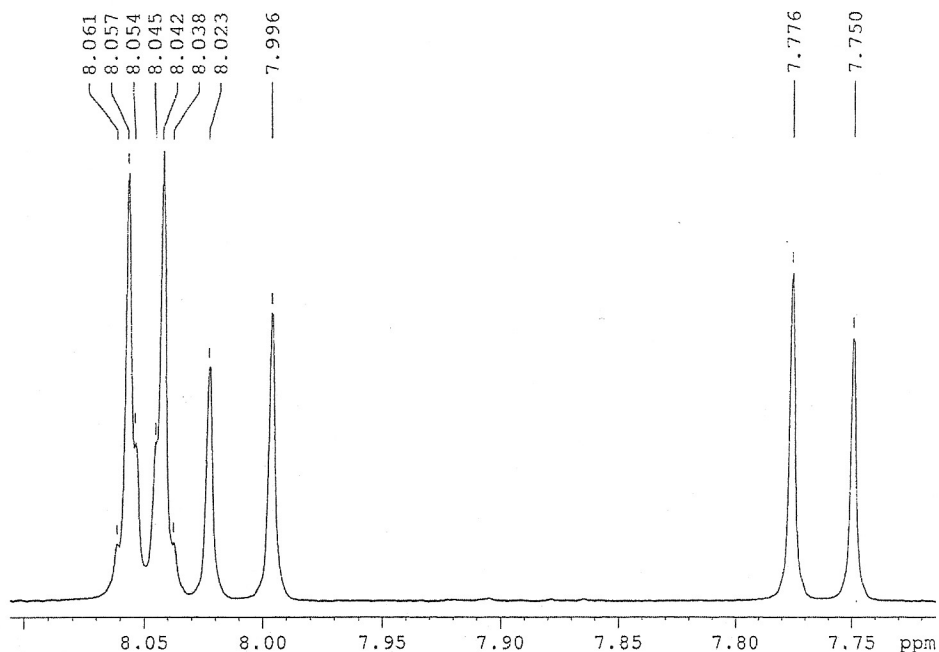
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Product name: 3,4'-Dimethoxy-2-hydroxychalcone  
Lot No.: 0312208



SOLVENT CDCL3  
NS 15  
DS 0  
SWH 11029.412 Hz  
FIDRES 0.332381 Hz  
AQ 1.3075447 sec  
RG 1620  
DW 45.333 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

ICC-16  
1H IN CDCL3  
AVANCE-600  
28-2-12

----- CHANNEL f1 -----  
NUCL 1H  
F1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.3340821 MHz  
  
F2 - Processing parameters  
SI 32768  
SF 600.3300146 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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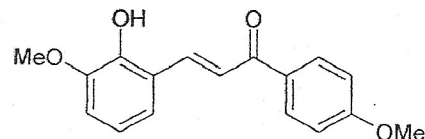
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SOLVENT CDC13  
NS 15  
DS 0  
SWH 11029.412 Hz  
FIDRES 0.382381 Hz  
AQ 1.3076447 sec  
RG 1620  
DW 45.333 usec  
DE 8.00 usec  
TE 296.2 K  
D1 1.50000000 sec  
TD0 1

ICC-16  
1H IN CDCL3  
AVANCE-600  
28-2-12

----- CHANNEL f1 -----  
NUC1 1H  
P1 8.30 usec  
PL1 -1.00 dB  
PL1W 15.17893314 W  
SFO1 600.330021 MHz  
  
F2 - Processing parameters  
SI 32768  
SF 600.3300146 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00

