



# 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

Catalog Number: H-501

Product Name: **3,4-DIMETHOXY-2'-HYDROXYCHALCONE**

CAS Number: [19152-36-4]

Lot Number: 0699

Chemical Formula: C<sub>17</sub>H<sub>16</sub>O<sub>4</sub>

Molecular Weight: 284.32

Melting Point: 114-115°C

Appearance: Shiny orange powder

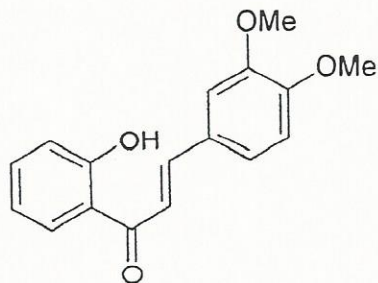
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.85%





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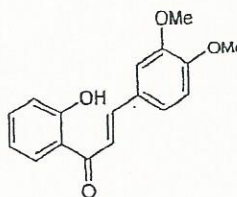
## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 3,4-Dimethoxy-2'-hydroxychalcone  
Sample ID : Lot No:- 0699  
Injection Volume : 20 uL  
Data Filename : 100513F.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-501  
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Lot No.: 0699

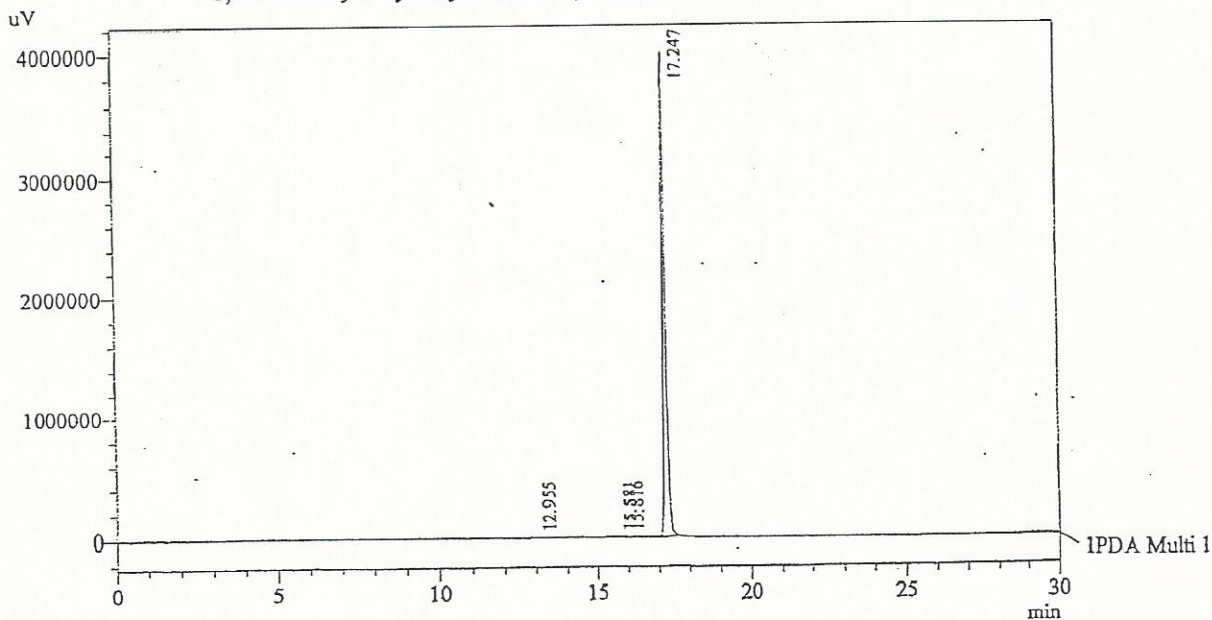
Column : LUNA C-18(2), (250mm x4.6mm 5.0μ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(Water) B(Acetonitrile)  
0.01 90 10  
12.0 10 90  
20.0 10 90  
23.0 90 10  
30.0 90 10

Diluent : Acetonitrile



Chromatogram

3,4-Dimethoxy-2'-hydroxychalcone D:\promonence\Data



1 IPDA Multi 1 / 254nm 4nm

PeakTable

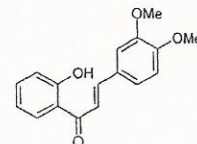
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.955	12.955	20911	0.08	0.75
2	RT:15.581	15.581	8634	0.04	0.90
3	RT:15.816	15.816	6226	0.03	0.92
4	3,4-Di-OMe-2'-OH-chalcone	17.247	24567010	99.85	1.00
Total			24602781	100.00	



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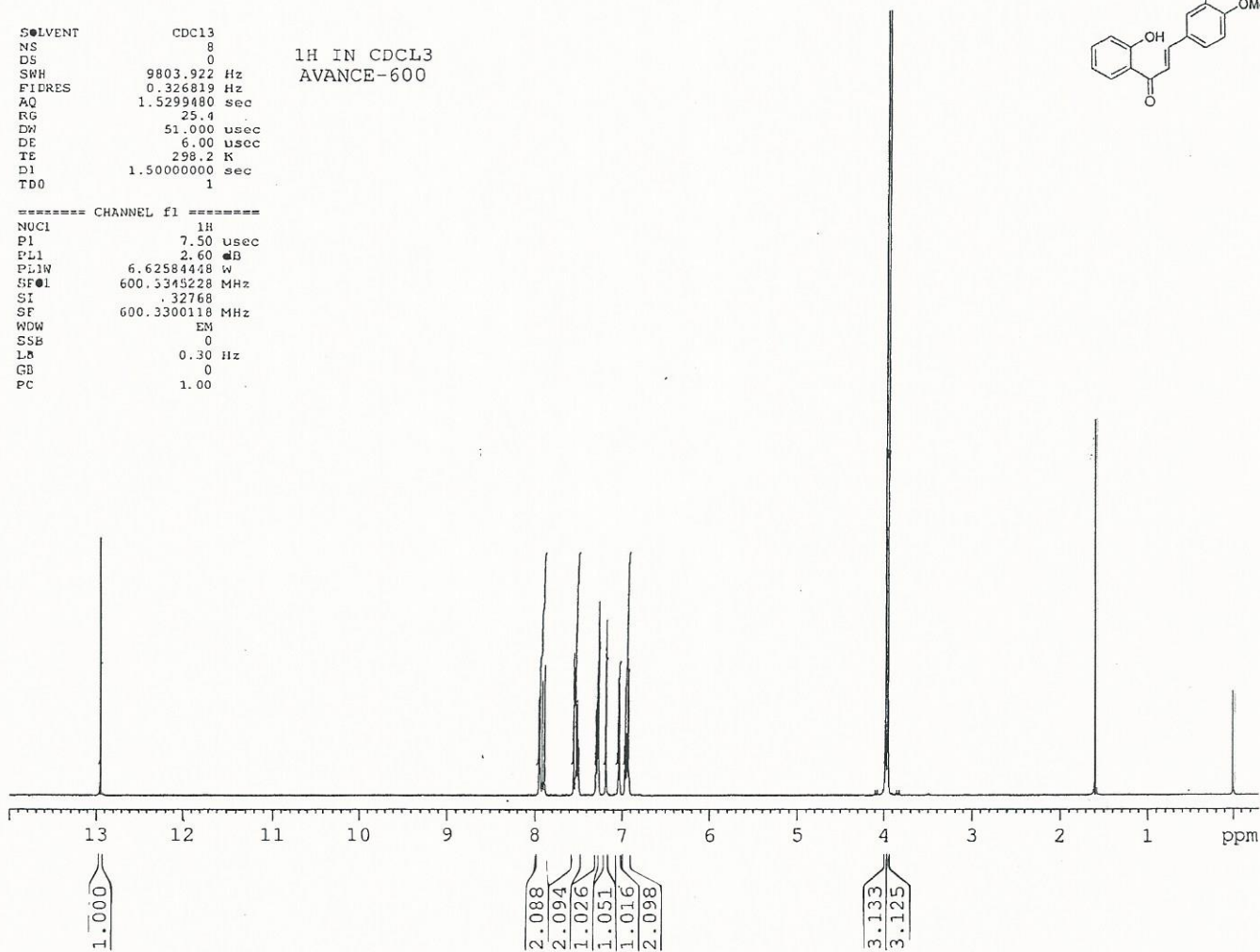
Catalog No.: H-501  
Product name: 3,4-Dimethoxy-2'-hydroxychalcone  
Lot No.: 0699



SOLVENT CDC13  
NS 8  
DS 0  
SRH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 25.4  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

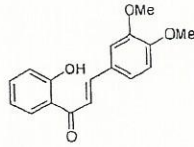
1H IN CDCL3  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584418 W  
SF01 600.5345228 MHz  
SI 32768  
SF 600.3300118 MHz  
WDW EN  
SSB 0  
LA 0.30 Hz  
GB 0  
PC 1.00





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1H IN CDCL3  
AVANCE-600

----- CHANNEL f1 -----  
NUC1 1H  
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PL1 2.60 dB  
PL1W 6.62584448 W  
SFO1 600.3345228 MHz  
SI 32768  
SF 600.3300118 MHz  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
CB 1.00

