



INDOFINE Chemical Company, Inc.

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

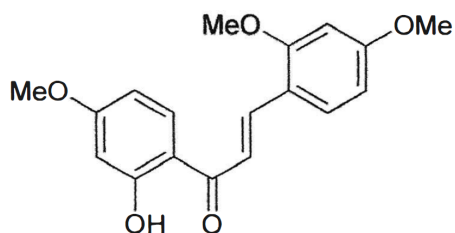
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	22-213
<u>Product Name:</u>	2'-HYDROXY-2,4,4'-TRIMETHOXYCHALCONE
<u>Lot Number:</u>	98140
<u>Chemical Formula:</u>	C ₁₈ H ₁₈ O ₅
<u>Molecular Weight:</u>	314.34
<u>Melting Point:</u>	155-157°C
<u>Appearance:</u>	Yellow powder
<u>Solubility:</u>	Soluble in chloroform
<u>TLC:</u>	Hexane : Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed (Confirm to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	98.55%





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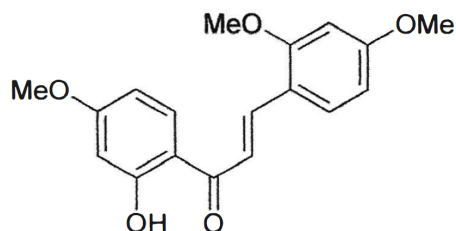
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HPLC ANALYSIS

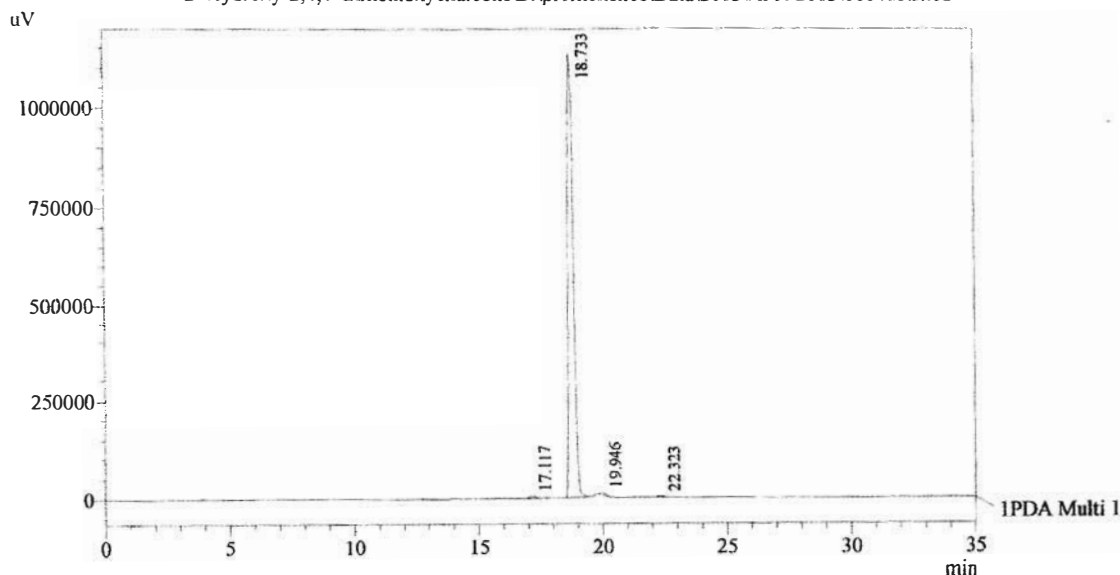
Acquired by : Sanjeev
Sample Name : 2'-Hydroxy-2,4,4'-trimethoxychalcone
Sample ID : Lot No:98140
Injection Volume : 20 ul.
Data Filename : 080413E.lcd
Method Filename : Linear Gradient.M.lcm



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
35.0 90 10

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Lot No.: 98140

Chromatogram
2'-Hydroxy-2,4,4'-trimethoxychalcone D:\promonence\Data\2013\APR-2013\080413E.lcd



1 PDA Multi 1 / 254nm 4nm

Peak Table

PDA Ch1 254nm 4nm

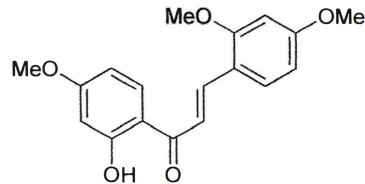
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:17.117	17.117	78095	0.45	0.91
2	2'-OH-2,4,4'-trimethoxychal	18.733	17176259	98.55	1.00
3	RT:19.946	19.946	109194	0.63	1.06
4	RT:22.323	22.323	65706	0.38	1.19
Total			17429254	100.00	



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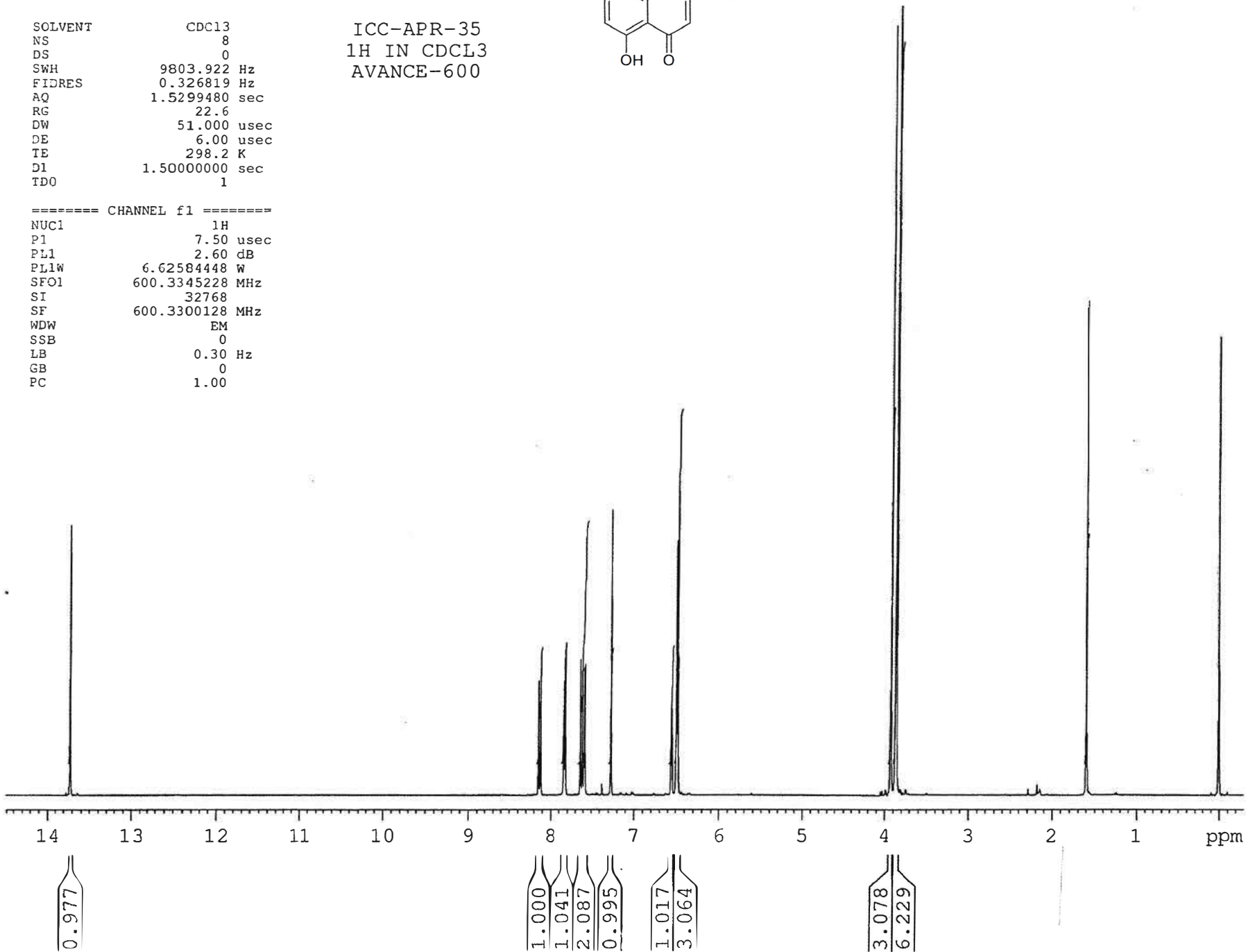
Catalog No.: 22-213
Product name: 2'-Hydroxy-2,4,4'-trimethoxychalcone
Lot No.: 98140



SOLVENT CDCl3
NS 8
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

ICC-APR-35
1H IN CDCL3
AVANCE-600

==== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300128 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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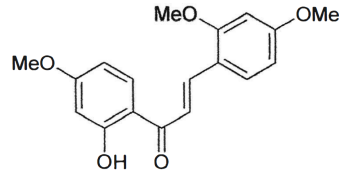
SOLVENT CDCl3
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ICC-APR-35
 1H IN CDCl3
 AVANCE-600

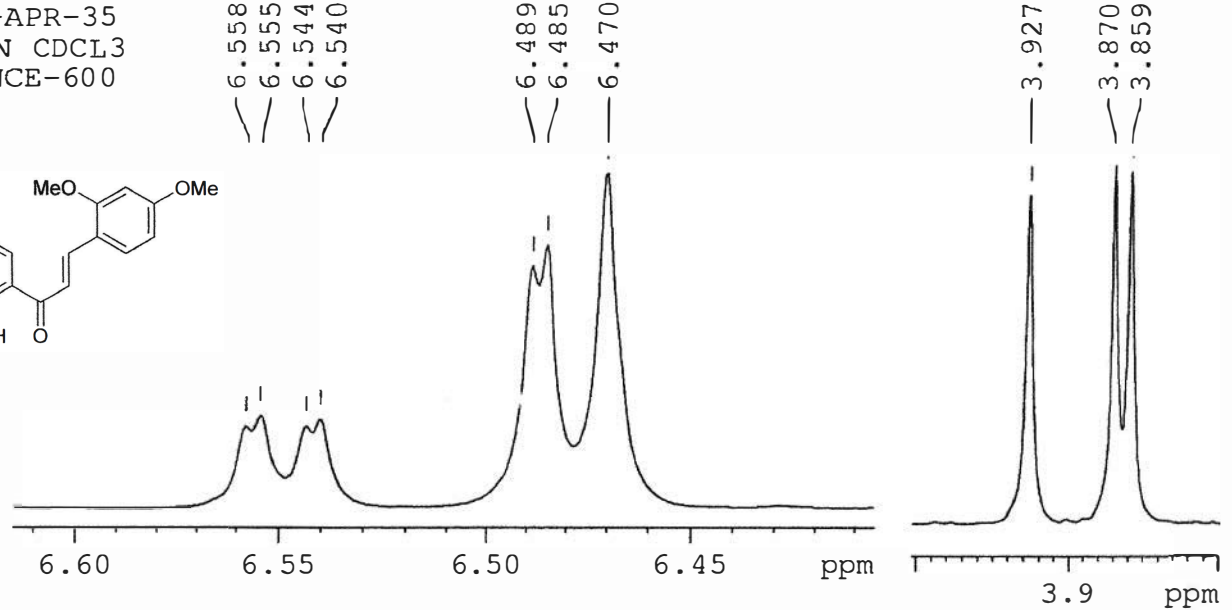
6.558
 6.555
 6.544
 6.540

6.489
 6.485
 6.470

3.927
 3.870
 3.859



==== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SFO1 600.3345228 MHz
 SI 32768
 SF 600.3300128 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



8.144
 8.118

7.835
 7.821

7.637
 7.611
 7.586
 7.572

7.264

