



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: 19-455

Product Name: **2'-HYDROXY-3,4,4'-TRIMETHOXYCHALCONE**

CAS Number: [10493-06-8]

Lot Number: 0102026

Chemical Formula: C₁₈H₁₈O₅

Molecular Weight: 314.34

Melting Point: 160-162°C

Appearance: Yellow powder

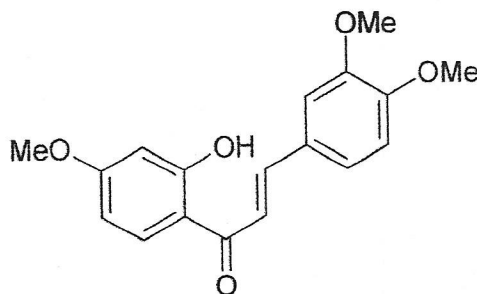
Solubility: Soluble in Chloroform

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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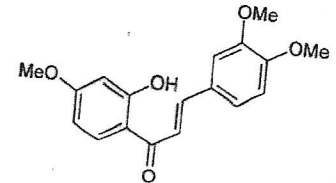
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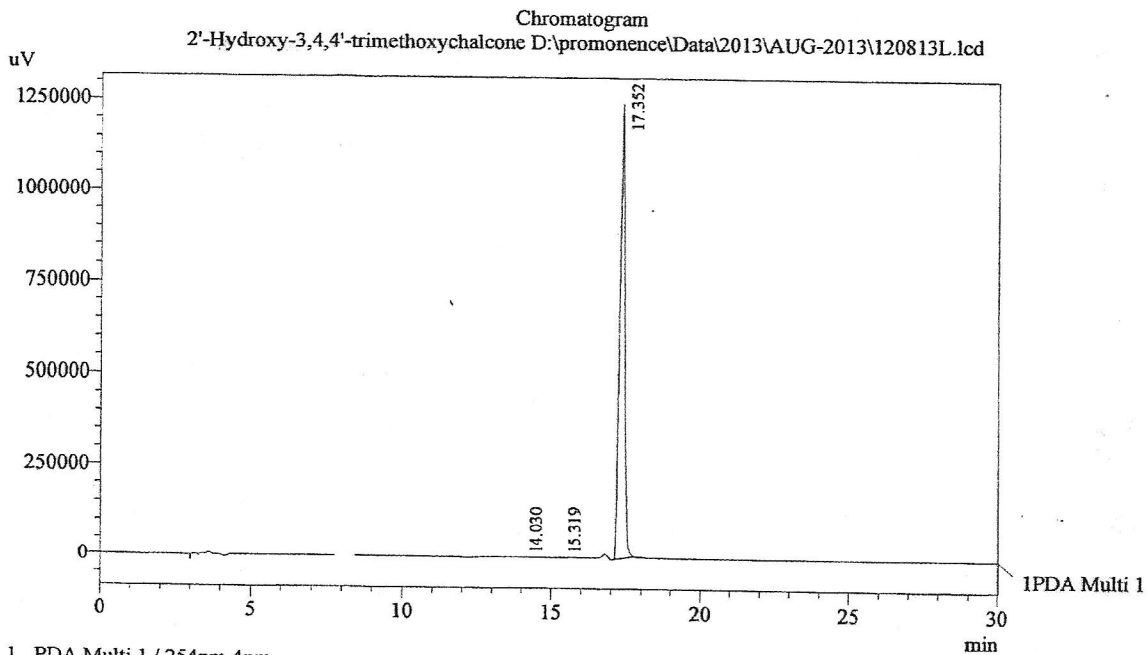
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 2'-Hydroxy-3,4,4'-trimethoxychalcone
Sample ID : Lot No:0102026
Injection Volume : 20 uL
Data Filename : 120813L.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 19-455
Product Name: 2'-Hydroxy-3,4,4'-trimethoxychalcone
Lot No.: 0102026



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



PeakTable

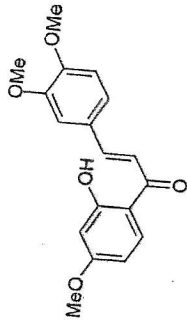
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.030	14.030	6653	0.05	0.81
2	RT:15.319	15.319	15374	0.11	0.88
3	2'-OH-3,4,4'-trimethoxychalco	17.352	14495398	99.85	1.00
Total			14517425	100.00	



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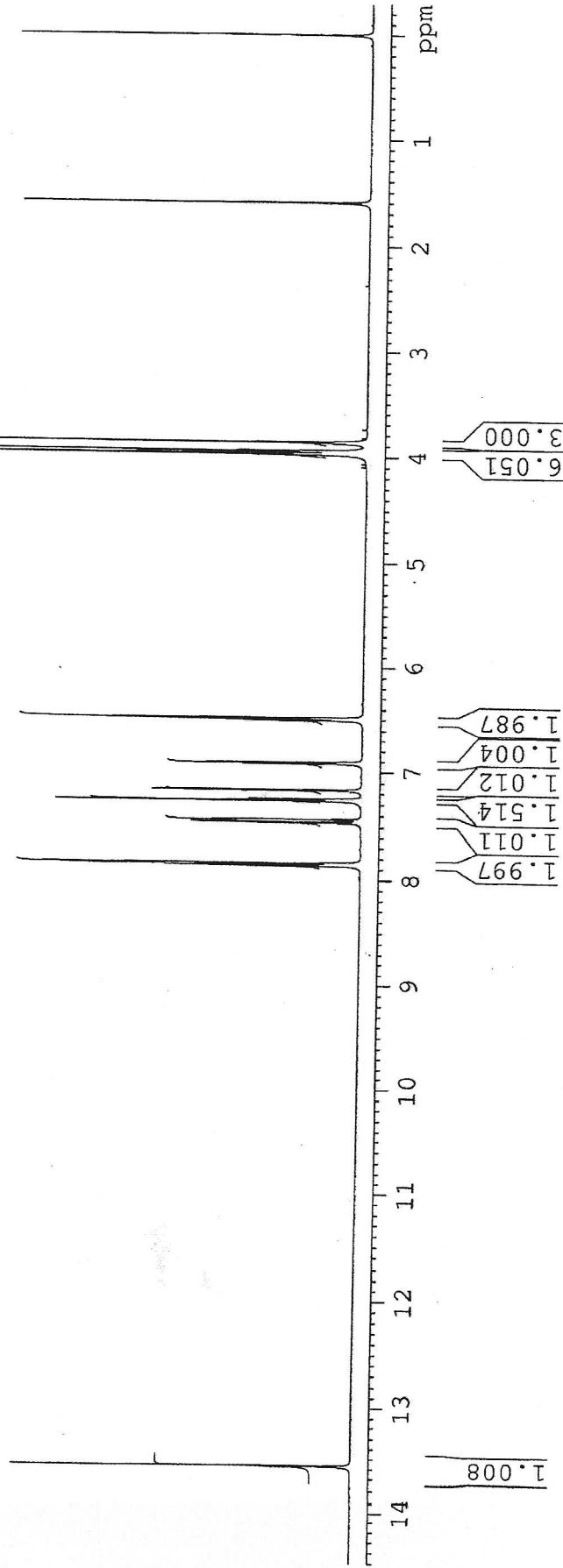
Catalog No.: 19-455
Product Name: 2'-Hydroxy-3,4,4'-trimethoxychalcone
Lot No.: 0102026



SOLVENT CDC13
NS 16
DS 0
SWH 10638.298 Hz
FIDRES 0.354634 Hz
AQ 1.4039560 sec
RG 45.2
DW 47.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN CDCL3
AVANCE-600

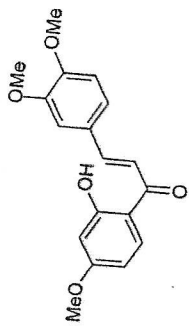
===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3348395 MHz
SI 32768
SF 600.3300116 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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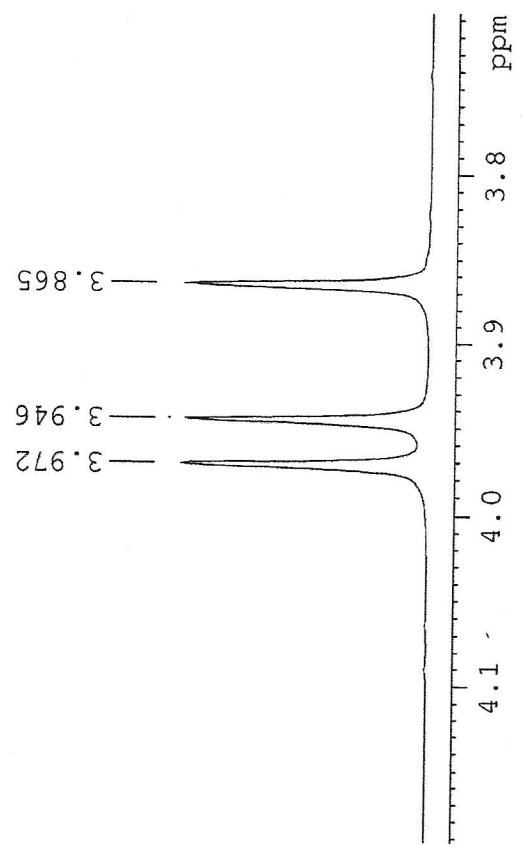
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SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10638.298 Hz
 FIDRES 0.354634 Hz
 AQ 1.4099560 sec
 RG 45.2
 DW 47.000 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3348395 MHz
 SI 32768
 SF 600.3300116 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00



7.867
7.856
7.841
7.459
7.433
7.266
7.252
7.250
7.166
6.922
6.908
6.505
6.502
6.487
6.482
3.972
3.946
3.865

8.0 7.9 7.8 7.7 7.6 7.5 7.4 7.3 7.2 7.1 7.0 6.9 6.8 6.7 6.6 6.5 6.4 ppm