



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: H-502

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

Lot Number: 0104039

Chemical Formula: C₁₇H₁₆O₄

Molecular Weight: 284.32

Melting Point: 96-98°C

Appearance: Deep yellow powder

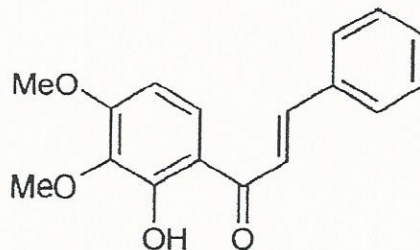
Solubility: Soluble in Chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to structure)

Storage: Cool dry place

Purity: 99.55%





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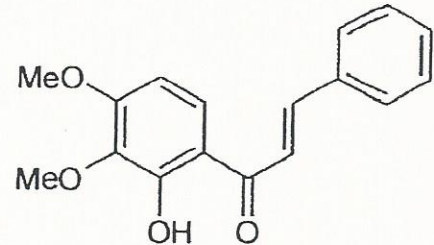
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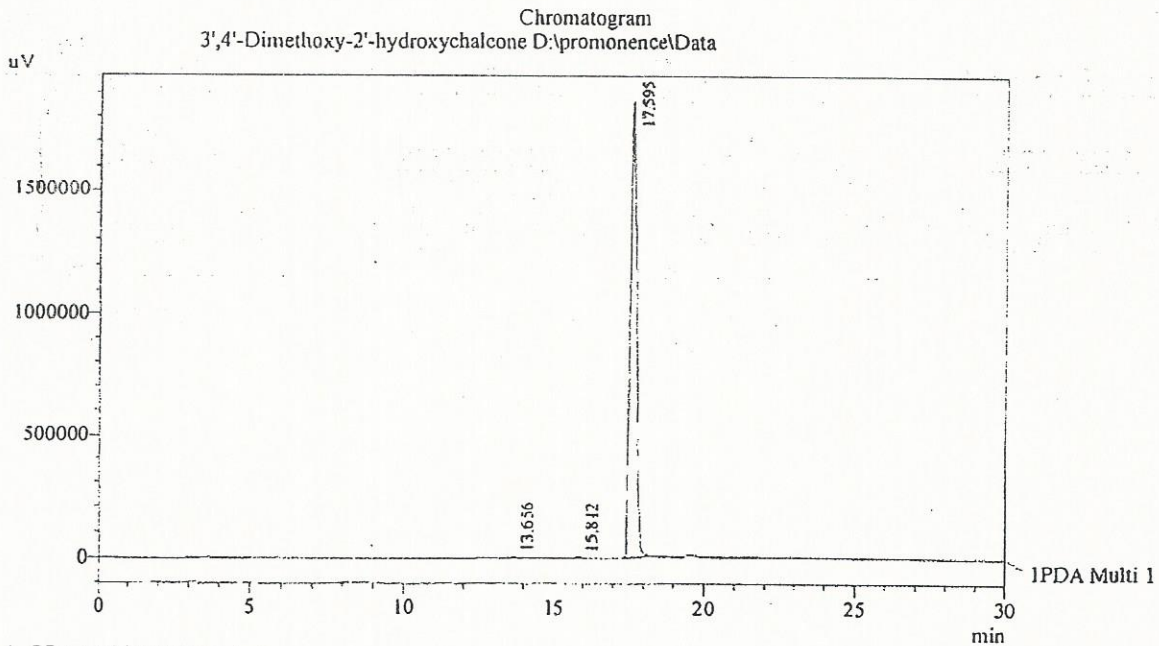
E-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 3',4'-Dimethoxy-2'-hydroxychalcone
Sample ID : Lot No:- 0104039
Injection Volume : 20 uL
Data Filename : 0804131.lcd
Method Filename : Linear Gradient.M.lcm
Column : LUNA (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



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I PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

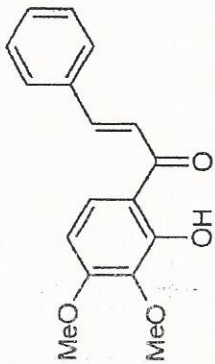
Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:13.656	13.656	71341	0.27	0.78
2	RT:15.812	15.812	48577	0.18	0.90
3	3',4'-Dimethoxy-2'-OH-chal	17.595	26605538	99.55	1.00
Total			26725456	100.00	



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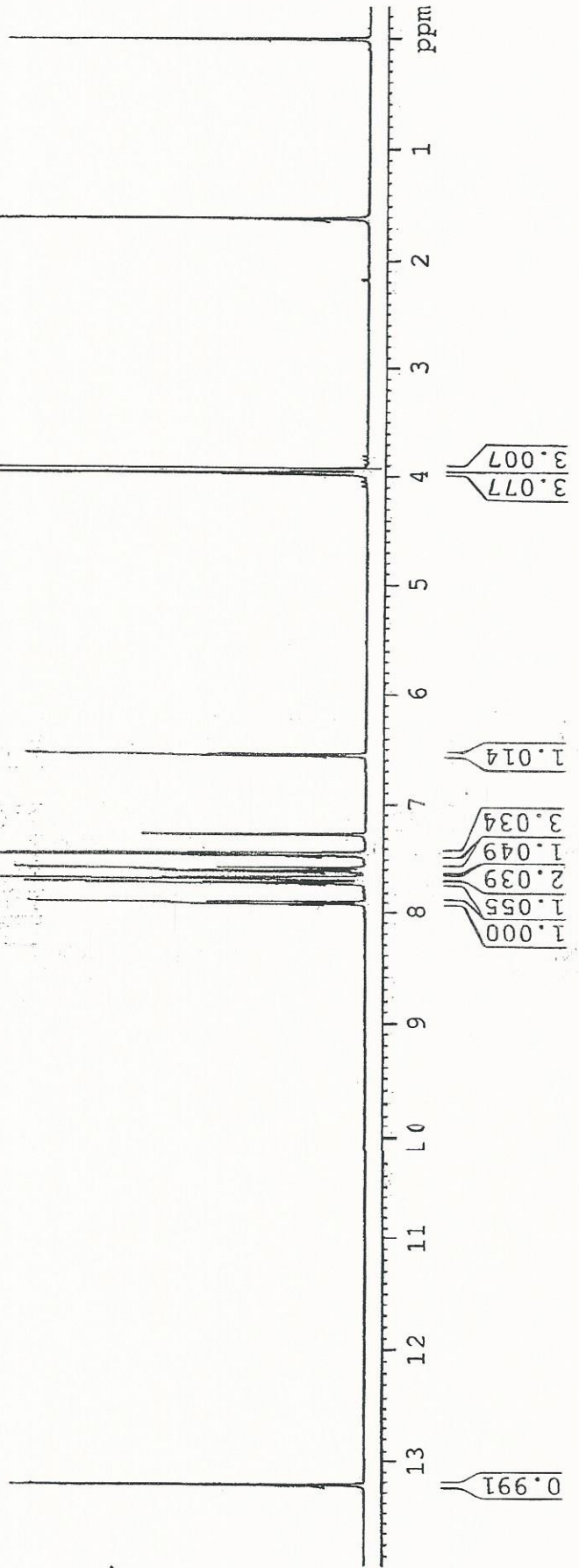
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Product Name: 3',4'-Dimethoxy-2'-hydroxychalcone
Lot No.: 0104039



**¹H IN CDCL₃
VANCE-600**

SOLVENT CDCL₃
NS 8
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.5
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

===== CHANNEL f1 =====
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3545228 MHz
SI 32768
SF 600.3300121 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





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Catalog No.: H-502
Product Name: 3',4'-Dimethoxy-2'-hydroxychalcone
Lot No.: 0104039

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 1.5000000 sec
 TDO 1

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3345228 MHz
 SI 32768
 SF 600.3300121 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

1H IN CDCL3
AVANCE-600

