



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: 22-303

Product: 3,4-DIMETHOXY-2'-HYDROXY-5'-METHYLCHALCONE

Lot Number: 99190

Chemical Formula: C₁₈H₁₈O₄

Molecular Weight: 298.34

Melting Point: 142-144°C

Appearance: Light orange crystalline powder

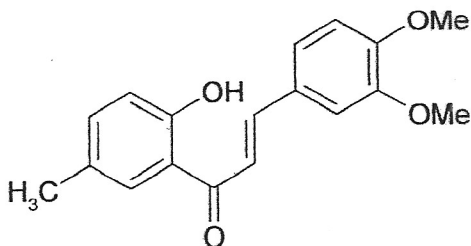
Solubility: Soluble in chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity (HPLC): 99.54%





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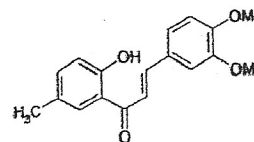
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 3,4-Dimethoxy-2-hydroxy-5'-methylchalcone
 Sample ID : Lot No-99190
 Injection Volume : 20 uL
 Data Filename : 010213E.lcd
 Method Filename : Linear Gradient.M.lcm

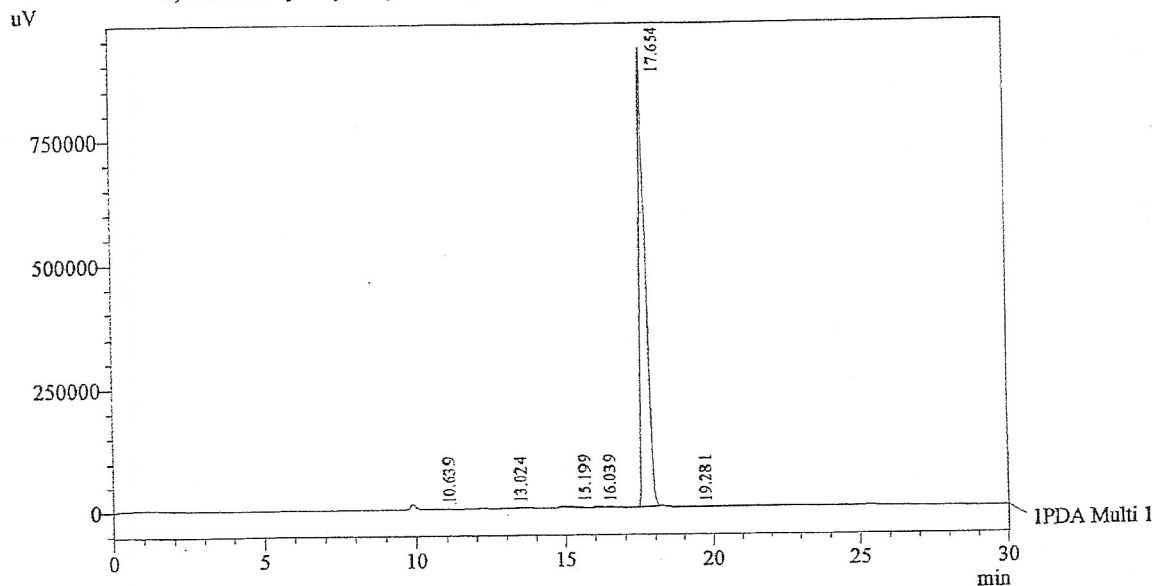
Catalog No.: 22-303
 Product name: 3,4-Dimethoxy-2'-hydroxy-5'-methyl chalcone
 Lot No.: 99190

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



Chromatogram

3,4-Dimethoxy-2-hydroxy-5'-methylchalcone D:\promonence\Data\2013\FEB-2013\010213E.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

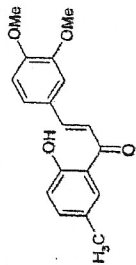
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:10.639	10.639	14457	0.11	0.60
2	RT:13.024	13.024	14118	0.11	0.74
3	RT:15.199	15.199	4816	0.04	0.86
4	RT:16.039	16.039	20582	0.16	0.91
5	3,4-DiOMe-2-OH-5'-methy	17.654	12997256	99.54	1.00
6	RT:19.281	19.281	5445	0.04	1.09
Total			13056674	100.00	



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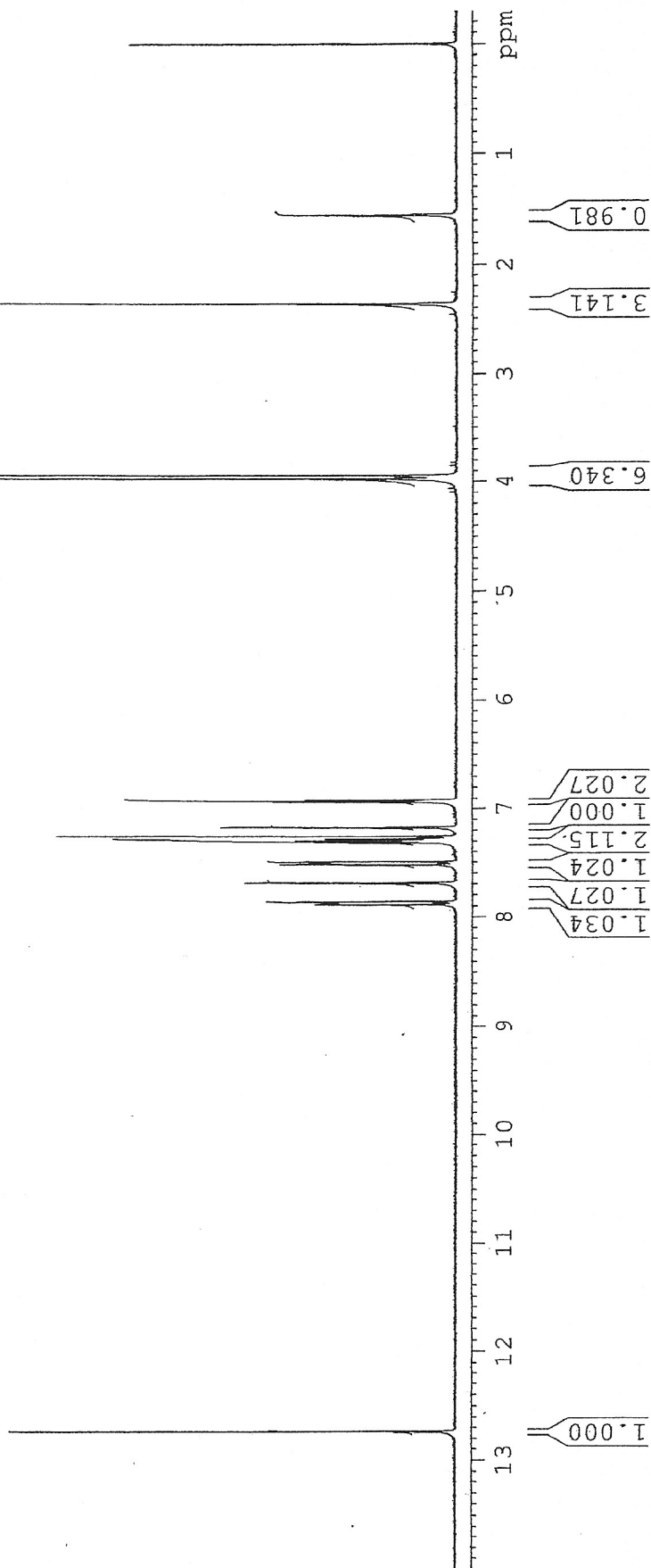
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SOLVENT CDCL3
 NS 16
 DS 0
 SWH 10288.065 Hz
 FIDRES 0.342958 Hz
 AQ 1.4579529 sec
 RG 2050
 DM 48.600 usec
 DE 6.00 usec
 TE 298.7 K
 D1 1.50000000 sec
 TD0 1

1H IN CDCL3
 AVANCE-600

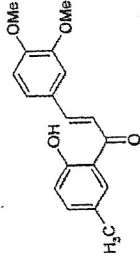
==== CHANNEL f1 =====
 NUC1 1H
 P1 8.30 usec
 PL1 -1.00 dB
 PL1W 15.17893314 W
 SF01 600.3345471 MHz
 SI 32768
 SF 600.3300148 MHz
 EM
 WDW 0
 SSB 0.30 Hz
 LB 0
 GB 0
 PC 1.00





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