



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

Cat No.: 22-408

Product: **2'-Hydroxy-5'-methyl-3,4-methylenedioxychalcone**

Lot Number: 1212276

Chemical Formula: $C_{17}H_{14}O_4$

Molecular Weight: 282.30

Melting Point: 115-116°C

Appearance: Orange yellow powder

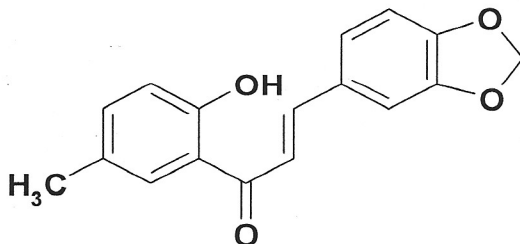
Solubility: Soluble in chloroform

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed

Storage: Cool dry place

Purity: 99.89%





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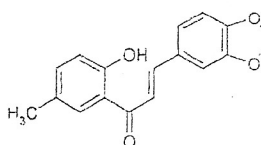
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HPLC ANALYSIS

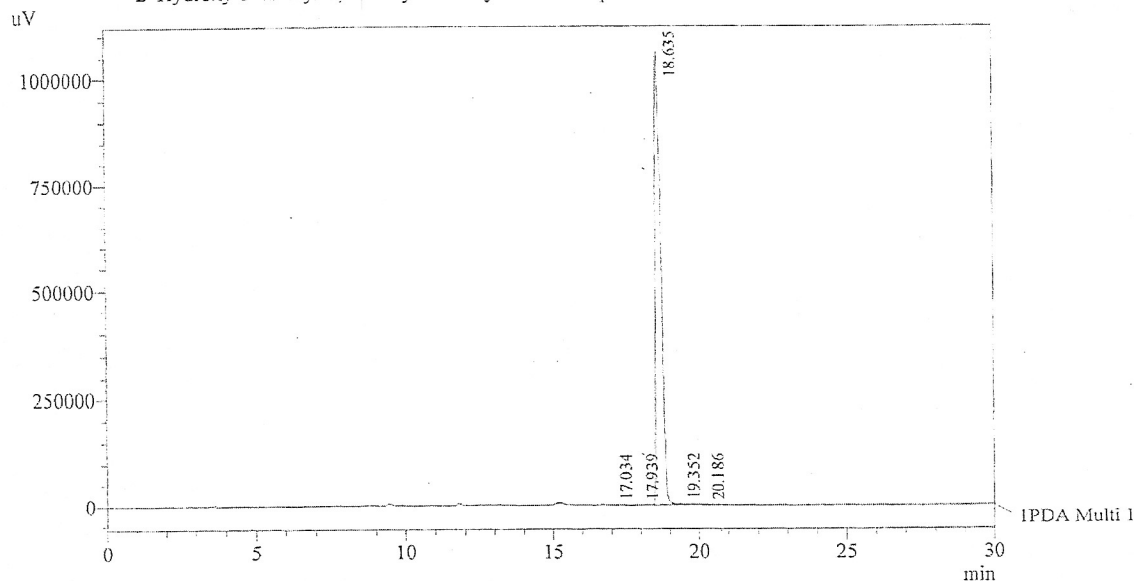
Acquired by : Sanjeev
Sample Name : 2'-Hydroxy-5'-methyl-3,4-methylenedioxychalcone
Sample ID : 200gm Lot (Herboranics)
Injection Volume : 20 uL
Data Filename : 091012G.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-408
Product name: 2'-Hydroxy-5'-methyl-3,4-Methylenedioxy chalcone
Lot No.: 1212276

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
2'-Hydroxy-5'-methyl-3,4-methylenedioxychalcone D:\promonence\Data\2012\OCT-2012\091012G.lcd



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:17.034	17.034	2883	0.02	0.91
2	RT:17.939	17.939	2591	0.02	0.96
3	2'-Hydroxy-5'-methyl-3,4-	18.635	13876018	99.89	1.00
4	RT:19.352	19.352	9117	0.07	1.04
5	RT:20.186	20.186	1151	0.01	1.08
Total			13891760	100.00	

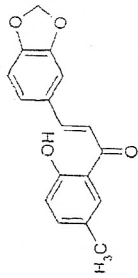


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 HILLSBOROUGH, NJ 08844

Catalog No.: 22-408

Product name: 2-Hydroxy-5'-methyl-3,4-Methylenedioxy chalcone

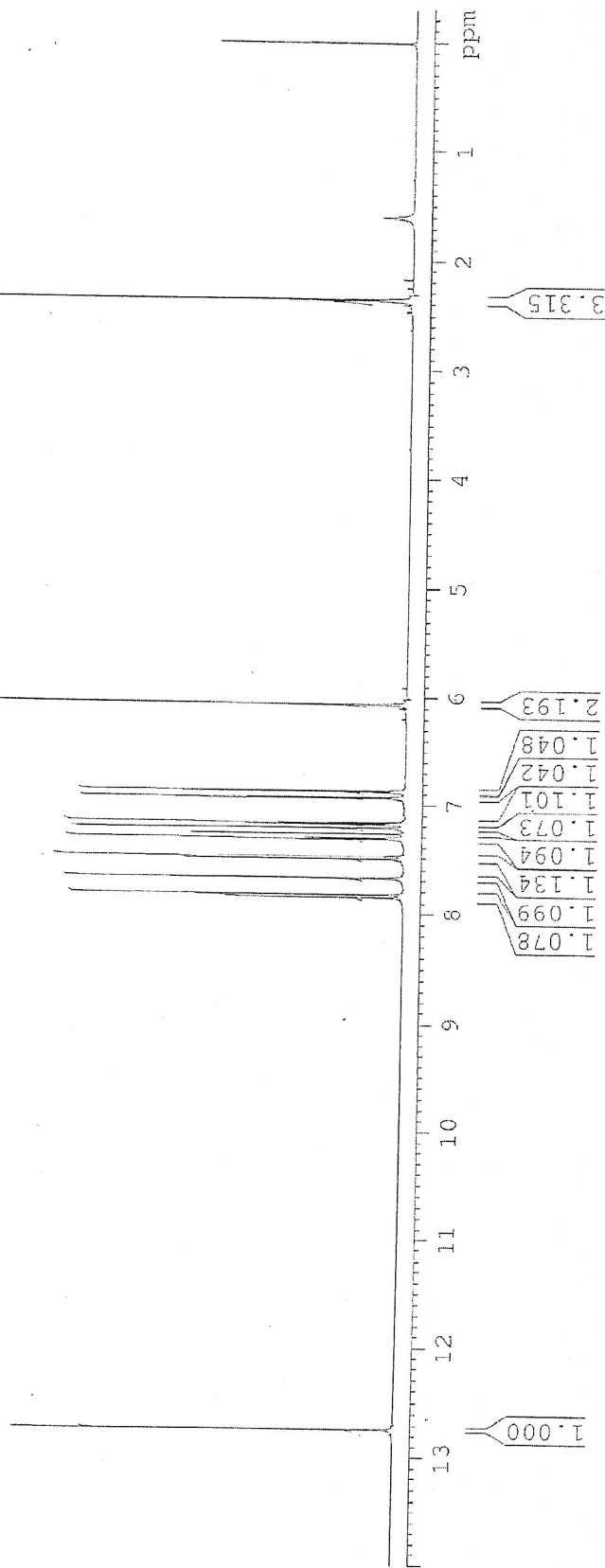
Lot No.: 1212276



SOLVENT CDCL3
 NS 10
 DS 0
 SMH 13020.833 Hz
 FIDRES 0.434057 Hz
 AQ 1.151932 sec
 RG 20.2
 DK 38.400 usec
 DE 6.00 usec
 TE 298.2 K
 DI 1.50000000 sec
 TD0 1

KM-21
 1H IN CDCL3
 AVANCE-600

===== CHANNEL f1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 N
 SF01 600.3331650 MHz
 SI 32768
 SF 600.3300149 MHz
 WDW EM
 SSE 0
 LB 0.30 Hz
 GB 0
 PC 4.00





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