



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.: 22-337

Product: **4,2'-DIHYDROXY-3-METHOXYCHALCONE**

CAS Number: [220430-82-0]

Lot Number: 1212269

Chemical Formula: C₁₆H₁₄O₄

Molecular Weight: 270.29

Melting Point: 128-129°C

Appearance: Orange yellow powder

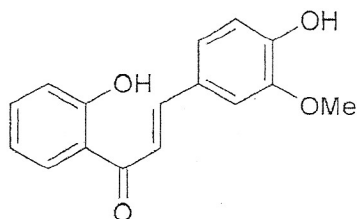
Solubility: Soluble in Chloroform

TLC: Chloroform:Methanol (9:1)

NMR Spectrum: Enclosed

Storage: Cool, dry place

Purity(HPLC): 99.77%





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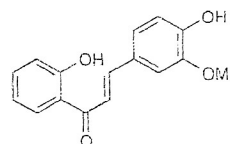
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HPLC ANALYSIS

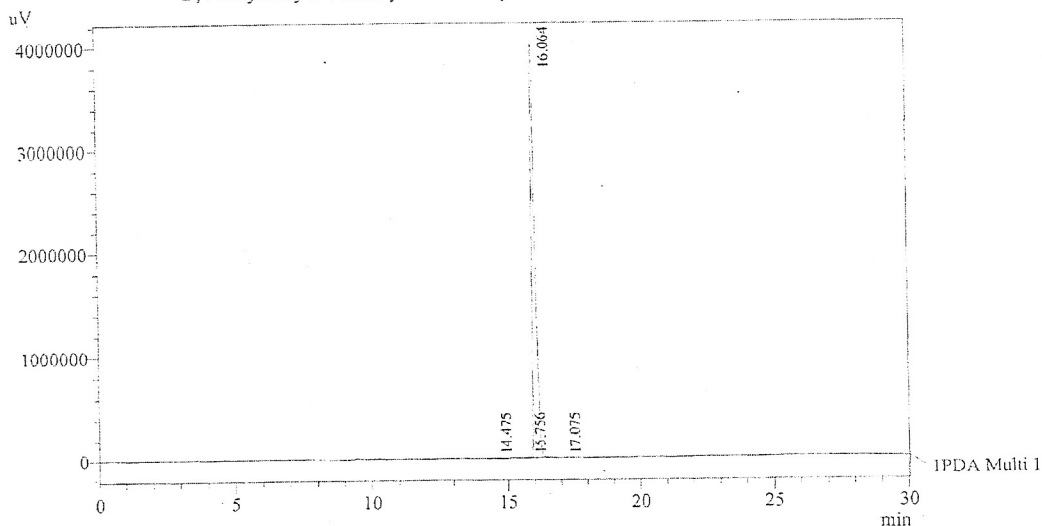
Acquired by : Sanjeev
Sample Name : 2',4-Dihydroxy-3-Methoxychalcone
Sample ID : 30 gms
Injection Volume : 20 uL
Data Filename : 0910121 led
Method Filename : Linear Gradient.M.lcm

Catalog no.: 22-337
Product name: 4,2'-Dihydroxy-3-methoxychalcone
Lot No.: 1212269

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',4-Dihydroxy-3-Methoxychalcone D:\promonence\Data\2012\OCT-2012\0910121 led



1 PDA Multi 1 / 254nm 4nm

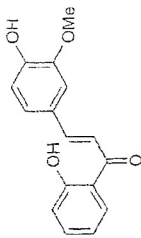
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.475	14.475	53654	0.15	0.90
2	RT:15.756	15.756	16369	0.05	0.98
3	2',4-Dihydroxy-3-Metho	16.064	35449277	99.77	1.00
4	RT:17.075	17.075	10041	0.03	1.06
Total			35529342	100.00	



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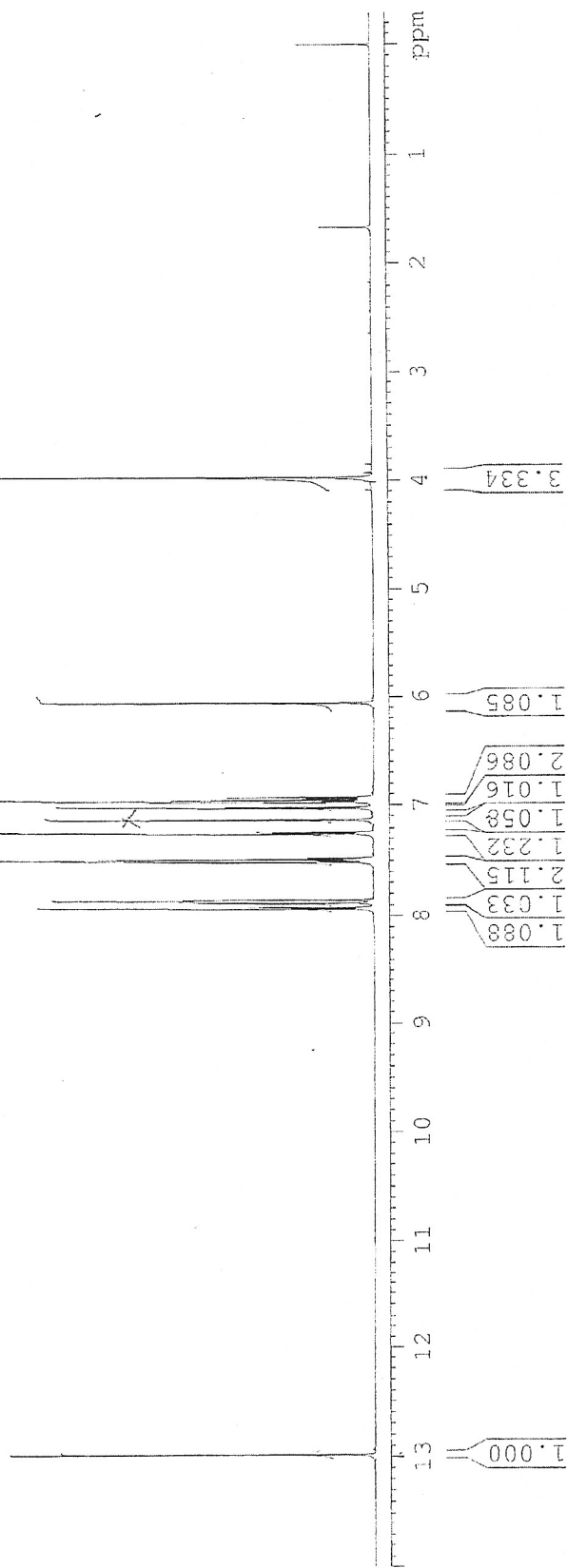
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 Lot No.: 1212269

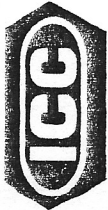


SOLVENT CDCL3
 NS 9
 DS 0
 SWH 13020.833 Hz
 FIDRES 0.434057 Hz
 AQ 1.1519732 sec
 RG 20.2
 DW 38.400 usec
 DE 8.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

KM-19
 1H IN CDCL3
 AVANCE-600

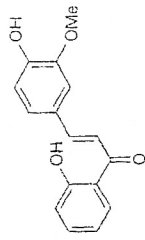
==== CHANNEL f1 =====
 NUCL 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 5.6258448 W
 GFOL 600.3334650 MHz
 SI 32768
 SF 600.3300163 MHz
 MW ER
 SSB 0
 LB 0.30 Hz
 GR 0
 PC 1.00





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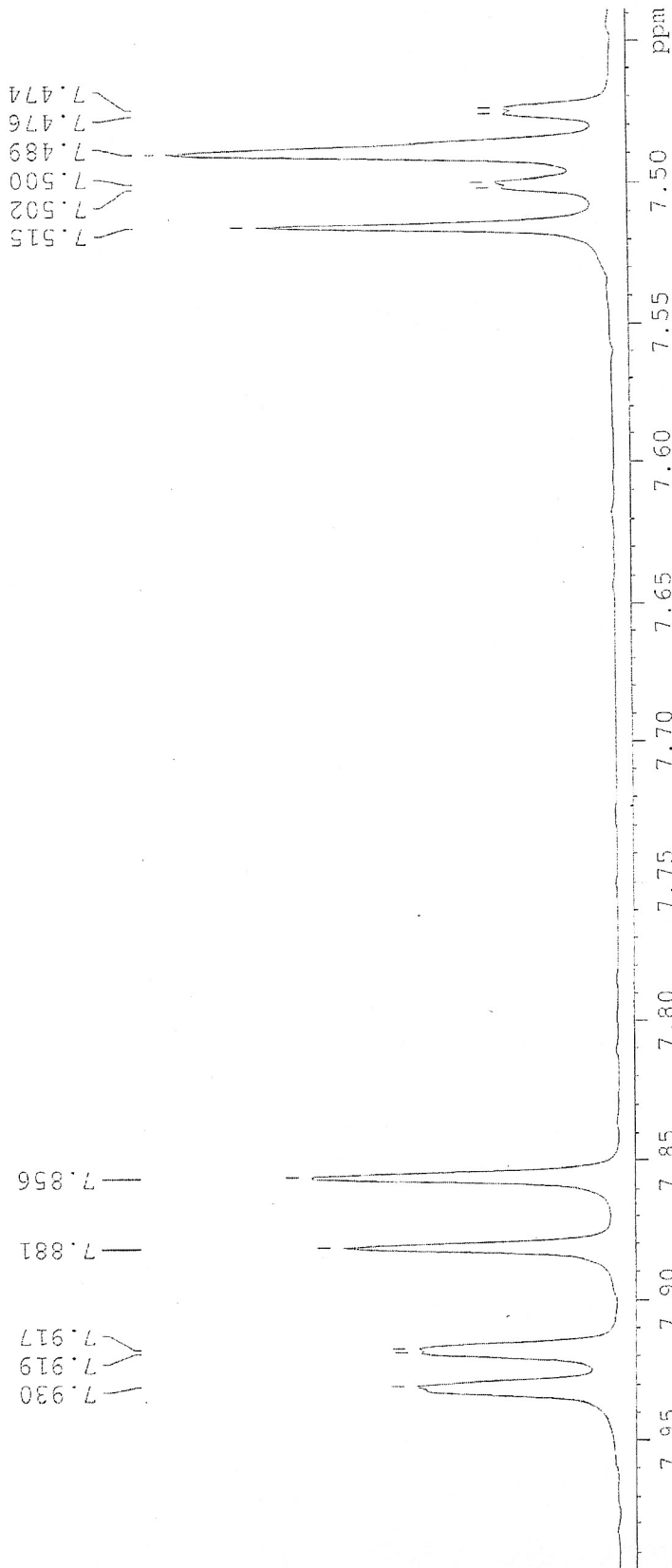
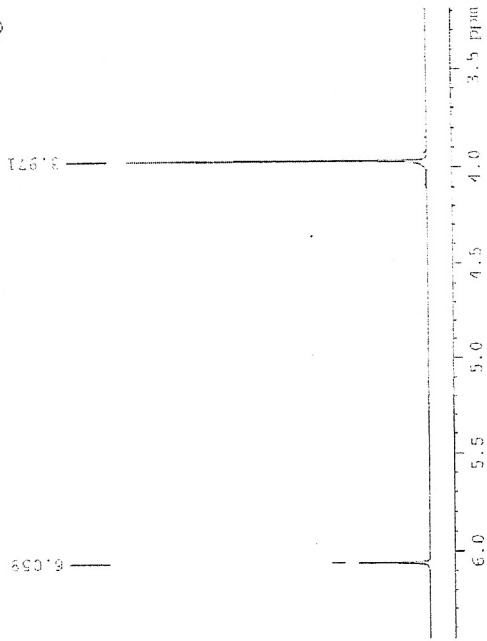
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KM-19
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 AVANCE-600

===== CHANNEL F1 =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1A 6.62587448 W
 SEOL 600.3334650 MHz
 SI 32768
 SF 600.3300163 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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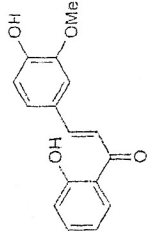
BLDG. 30, SUITE 1

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Product name: 4,2'-Dihydroxy-3-methoxychalcone

Lot No.: 1212269



KM-19
1H IN CDCL3
AVANCE-600

SOLVENT CDCL3
NS 3
DS 0
SWH 13020.833 Hz
FIDRES 0.434057 Hz
AQ 1.1519732 sec
RG 20.2
EW 38.400 usec
LE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

***** CHANNEL f1 *****
NUC1 1H
P1 7.50 usec
PL1 2.50 dB
PL1W 6.62584448 W
SFO1 600.3334650 MHz
SI 32768
SF 600.3300163 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

