



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

**Cat No.: 22-337**

<u>Product:</u>	<b>4,2'-DIHYDROXY-3-METHOXYCHALCONE</b>
<u>CAS Number:</u>	[220430-82-0]
<u>Lot Number:</u>	1212270
<u>Chemical Formula:</u>	$C_{16}H_{14}O_4$
<u>Molecular Weight:</u>	270.29
<u>Melting Point:</u>	126-128°C
<u>Appearance:</u>	Yellow color powder
<u>Solubility:</u>	Soluble in chloroform
<u>TLC:</u>	Chloroform:Methanol (9:1)
<u>NMR Spectrum:</u>	Enclosed
<u>Storage:</u>	Cool, dry place
<u>Purity(HPLC):</u>	98.91%



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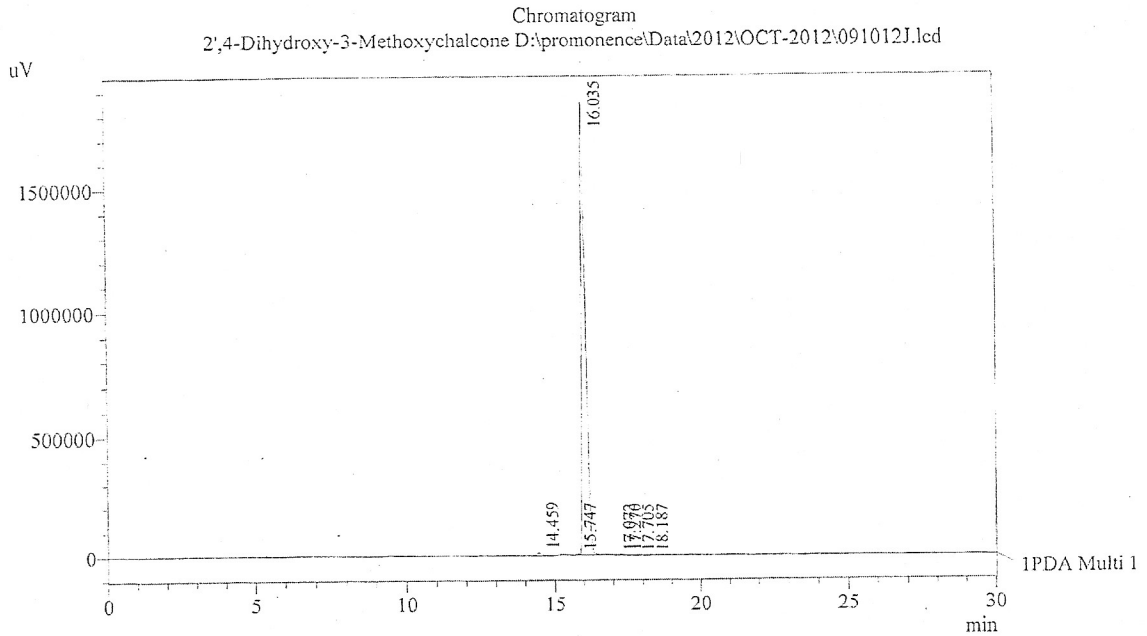
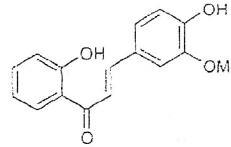
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## HPLC ANALYSIS

Acquired by : Sanjeev  
Sample Name : 2',4-Dihydroxy-3-Methoxychalcone  
Sample ID : 70gm Lot (Herborrganics)  
Injection Volume : 20 uL  
Data Filename : 091012J.lcd  
Method Filename : Linear Gradient.M.lcm

Catalog no.: 22-337  
Product name: 4,2'-Dihydroxy-3-methoxychalcone  
Lot No.: 1212270

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



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:14.459	14.459	134216	0.74	0.90
2	RT:15.747	15.747	31261	0.17	0.98
3	2',4-Dihydroxy-3-Metho	16.035	17873789	98.91	1.00
4	RT:17.072	17.072	6857	0.04	1.06
5	RT:17.270	17.270	20456	0.11	1.08
6	RT:17.705	17.705	2442	0.01	1.10
7	RT:18.187	18.187	1171	0.01	1.13
Total			18070192	100.00	



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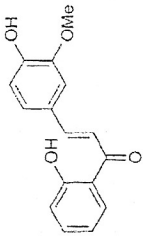
BLDG. 30, SUITE 1

HILLSBOROUGH, NJ 08844

Catalog no.: 22-337

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

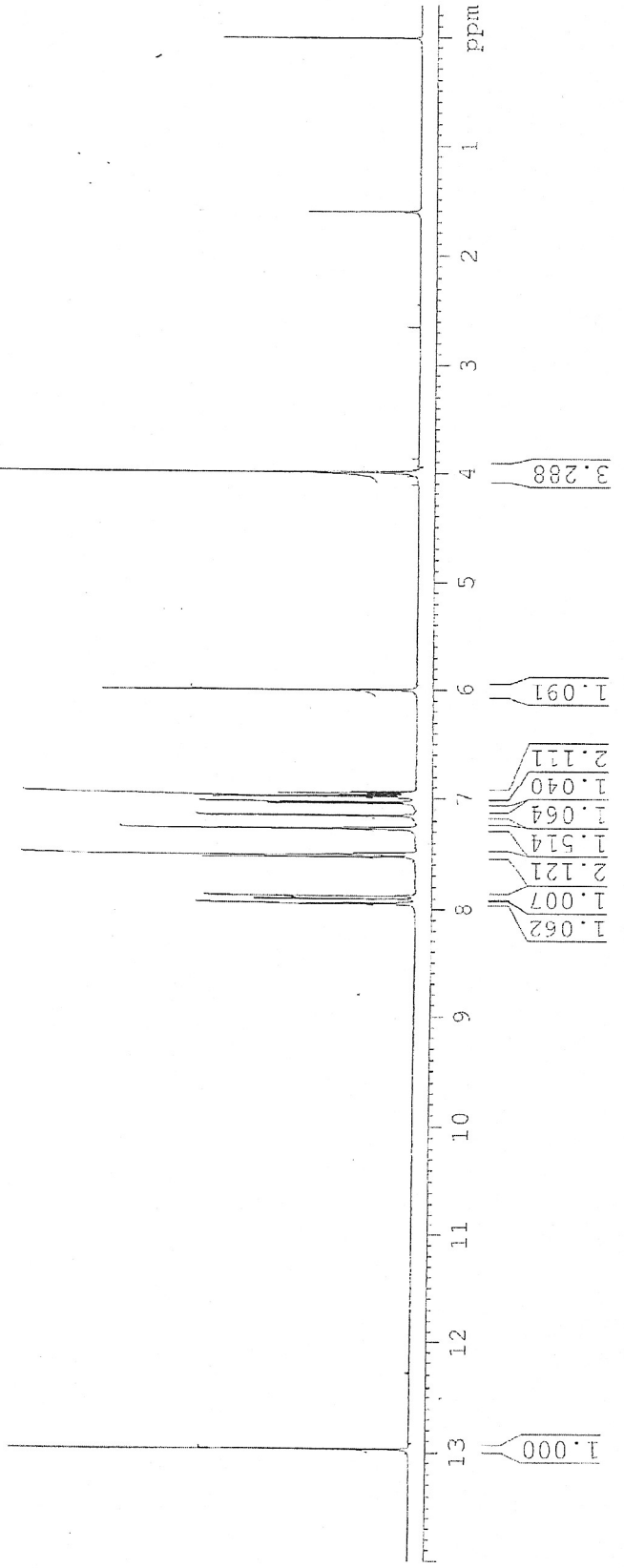
Lot No.: 1212270



KM-20  
1H IN CDCL3  
AVANCE-600

SOLVENT CDCL3  
 NS 0  
 ES 0  
 SSB 12020.833 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 20.2  
 EM 38.400 usec  
 DE 5.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TDO 1

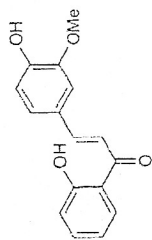
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 S1 22763  
 SF 600.3300152 MHz  
 ZMW EM  
 SSB 0  
 LE 0.30 Hz  
 GE 0  
 PC 4.00





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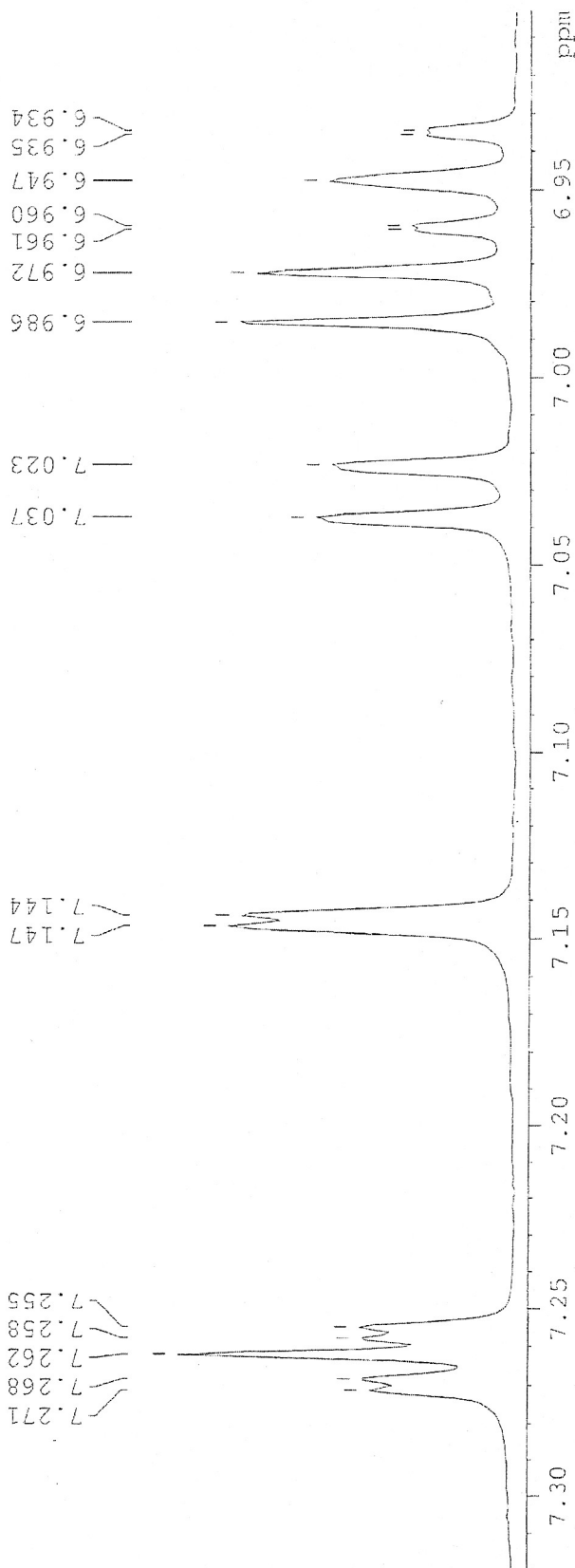
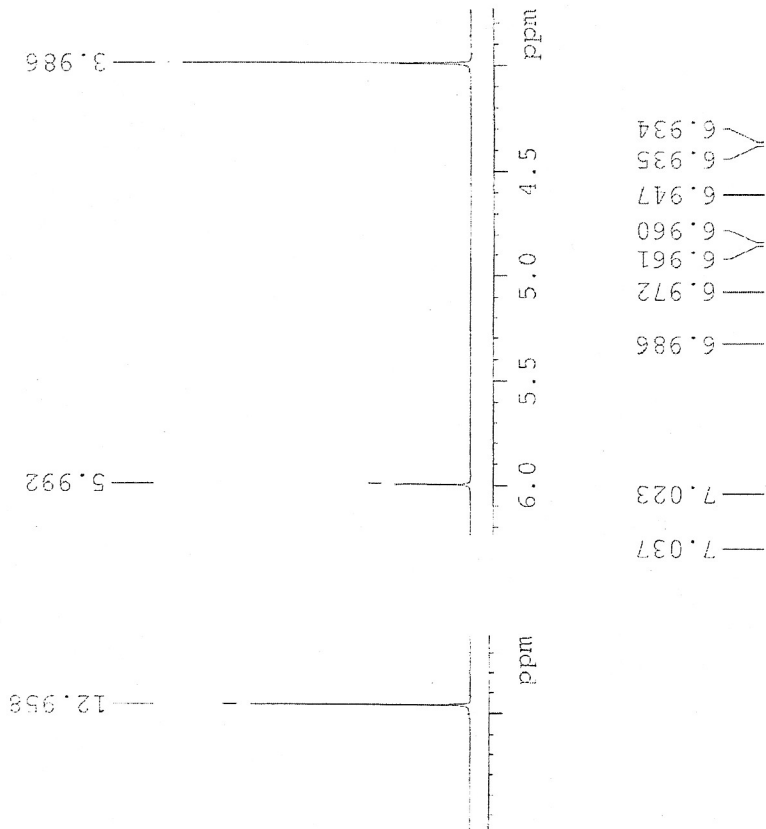
Catalog no.: 22-337  
 Product name: 4,2'-Dihydroxy-3-methoxychalcone  
 Lot No.: 1212270



SOLVENT CDCL3  
 NS 8  
 DS 0  
 SWH 13020.833 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 20.2  
 DW 38.400 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

KM-20  
 1H IN CDCL3  
 AVANCE-600

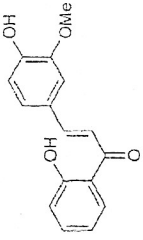
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 SFQ1 600.3324650 MHz  
 S1 322768  
 SF 600.3300152 MHz  
 MWDW FM  
 SSS 0  
 LE 0.30 Hz  
 GB 0  
 PC 4.00





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 Lot No.: 1212270



KM-20  
 1H IN CDCL3  
 AVANCE-600

SOLVENT CDCL3  
 NS 0  
 DS 0  
 SMH 13020.832 Hz  
 FIDRES 0.434057 Hz  
 AQ 1.1519732 sec  
 RG 20.2  
 DW 38.400 usec  
 DE 6.00 usec  
 IE 298.2 K  
 D1 1.50000000 sec  
 TDO 1

\*\*\*\*\* CHANNEL #1 \*\*\*\*\*  
 NUC1 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 FLLW 6.6258448 W  
 SFO1 600.3334650 MHz  
 S1 22768  
 SF 600.3300152 MHz  
 NDM EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 4.03

