



# 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

Catalog Number: 22-208

Product Name: 2',4'-DIHYDROXY-3,4-DIMETHOXYCHALCONE

Lot Number: 98148

Chemical Formula: C<sub>17</sub>H<sub>16</sub>O<sub>5</sub>

Molecular Weight: 300.32

Melting Point: 208-210°C

Appearance: Dark yellow powder

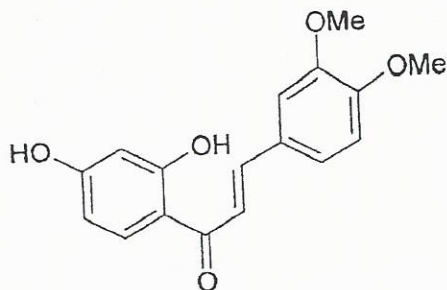
Solubility: Soluble in DMSO

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 97.61%





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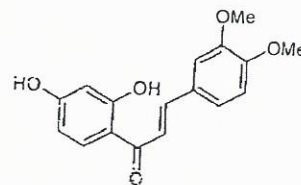
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## HPLC ANALYSIS

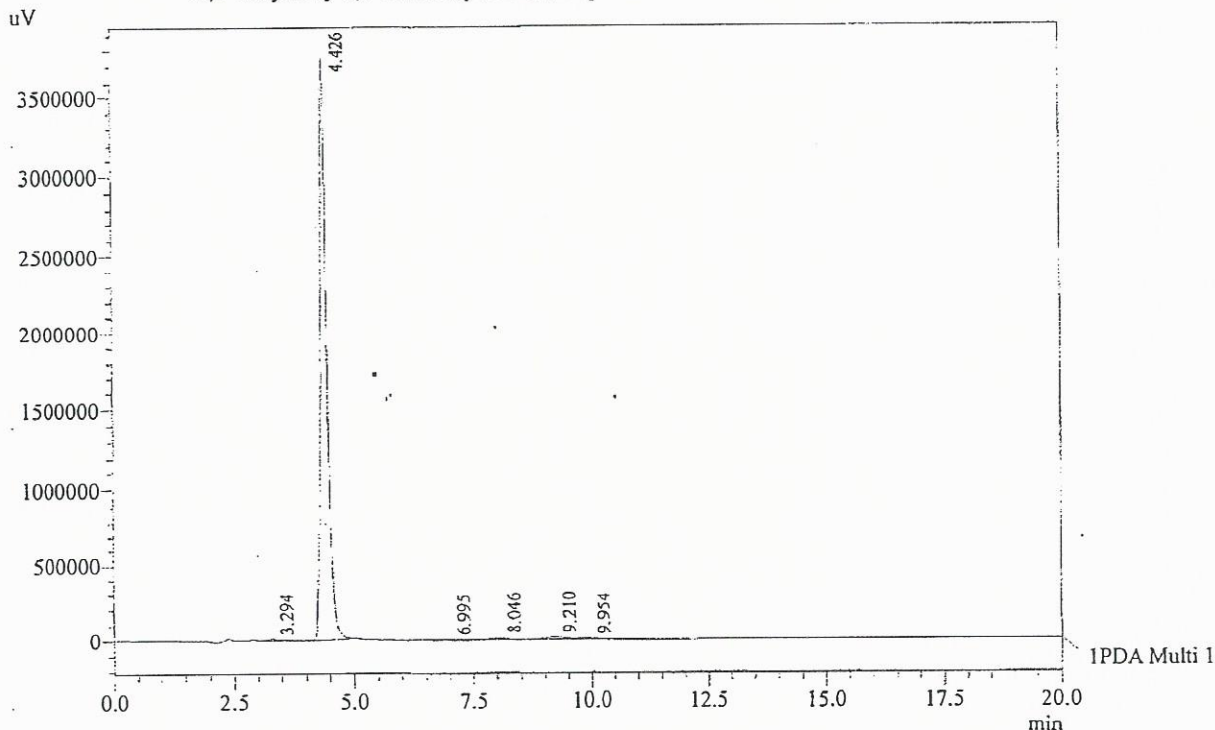
Acquired by : Sanjeev  
Sample Name : 2',4'-Dihydroxy-3,4-dimethoxychalcone  
Sample ID : Lot No: 98148  
Injection Volume : 20 uL  
Data Filename : 210513F.lcd  
Method Filename : Linear Isocratic.M.lcm

Catalog No.: 22-208  
Product Name: 2',4'-Dihydroxy-3,4-dimethoxychalcone  
Lot No.: 98148



Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)  
Flow : 1.000 mL/min.  
Mobile Phase : A(30% of 0.05% TFA in water) B(70% of Acetonitrile)

Chromatogram  
2',4'-Dihydroxy-3,4-Dimethoxychalcone D:\promonence\Data



1 IPDA Multi 1 / 215nm 4nm

PeakTable

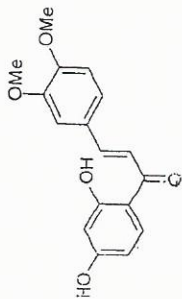
PDA Ch1 215nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:3.294	3.294	76733	0.20	0.74
2	RT:4.426	4.426	36538383	97.61	1.00
3	RT:6.995	6.995	50528	0.13	1.58
4	RT:8.046	8.046	260510	0.70	1.82
5	RT:9.210	9.210	389932	1.04	2.08
6	RT:9.954	9.954	117976	0.32	2.25
Total			37434063	100.00	



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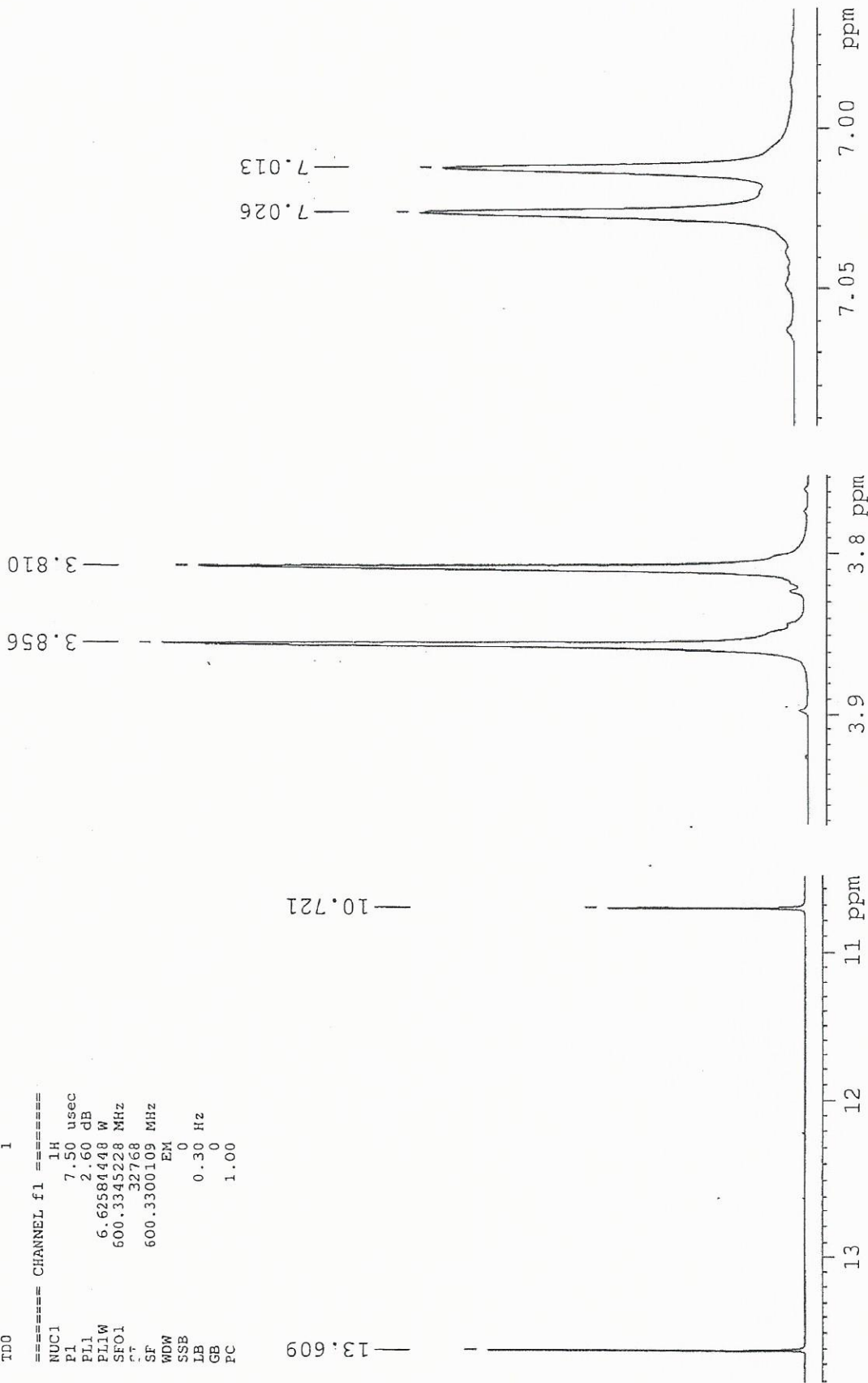
Catalog No.: 22-208  
Product Name: 2',4'-Dihydroxy-3,4-dimethoxychalcone  
Lot No.: 98148



SOLVENT DMSO  
NS 16  
DS 0  
SWH 9803.922 Hz  
FIDRES 0.326819 Hz  
AQ 1.5299480 sec  
RG 40.3  
DW 51.000 usec  
DE 6.00 usec  
TE 298.2 K  
D1 1.50000000 sec  
TD0 1

1H IN DMSO  
AVANCE-600

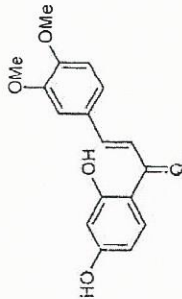
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NUC1 1H  
P1 7.50 usec  
PL1 2.60 dB  
PL1W 6.62584448 W  
SF01 600.3345228 MHz  
SF 32768  
WDW EM  
SSB 0  
LB 0.30 Hz  
GB 0  
PC 1.00





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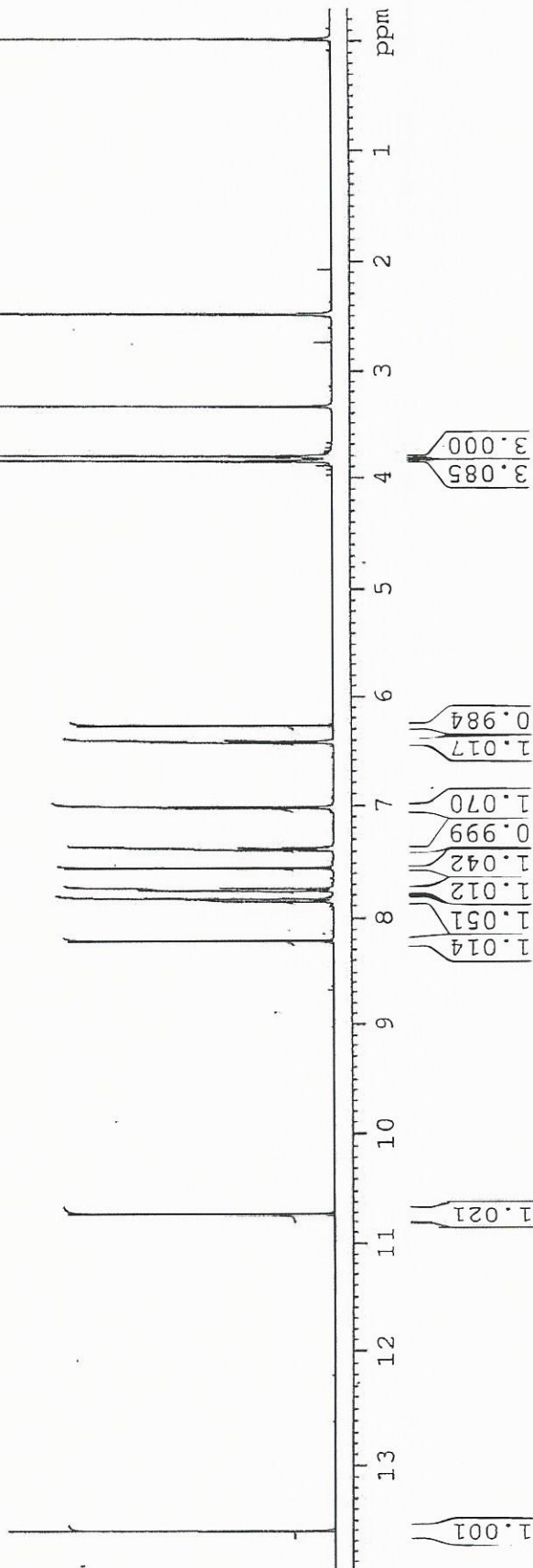
Catalog No.: 22-208  
 Product Name: 2',4'-Dihydroxy-3,4-dimethoxychalcone  
 Lot No.: 98148



1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 16  
 DS 0  
 SWH 9803.922 Hz  
 FIDRES 0.326819 Hz  
 AQ 1.5299480 sec  
 RG 40.3  
 DW 51.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

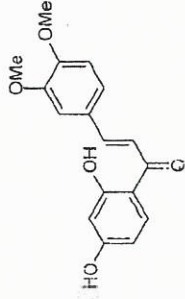
\*\*\*\*\* CHANNEL f1 \*\*\*\*\*  
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 P1 7.50 usec  
 PL1 2.60 dB  
 PLLW 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 3276c  
 SF 600.3300109 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00





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1H IN DMSO  
 AVANCE-600

SOLVENT DMSO  
 NS 16  
 DS 0  
 SWH 9803.922 Hz  
 FIDRES 0.326819 Hz  
 AQ 1.5299400 sec  
 RG 40.3  
 DW 51.000 usec  
 DE 6.00 usec  
 TE 298.2 K  
 D1 1.50000000 sec  
 TD0 1

===== CHANNEL f1 =====  
 NUCL 1H  
 P1 7.50 usec  
 PL1 2.60 dB  
 PL1W 6.62584448 W  
 SF01 600.3345228 MHz  
 SI 32768  
 SF 600.3300109 MHz  
 WDW EM  
 SSB 0  
 LB 0.30 Hz  
 GB 0  
 PC 1.00

