



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

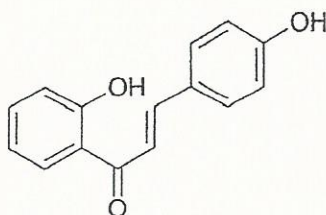
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number</u>	D-503
<u>Product Name:</u>	4,2'-DIHYDROXYCHALCONE
<u>CAS Number:</u>	[13323-66-5]
<u>Lot Number:</u>	98134
<u>Chemical Formula:</u>	C ₁₅ H ₁₂ O ₃
<u>Molecular Weight:</u>	240.25
<u>Melting Point:</u>	158-161°C
<u>Appearance:</u>	Yellow powder
<u>Solubility:</u>	Soluble in Chloroform
<u>TLC:</u>	Chloroform:Methanol [9:1]
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	99.72%





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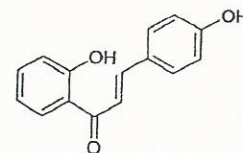
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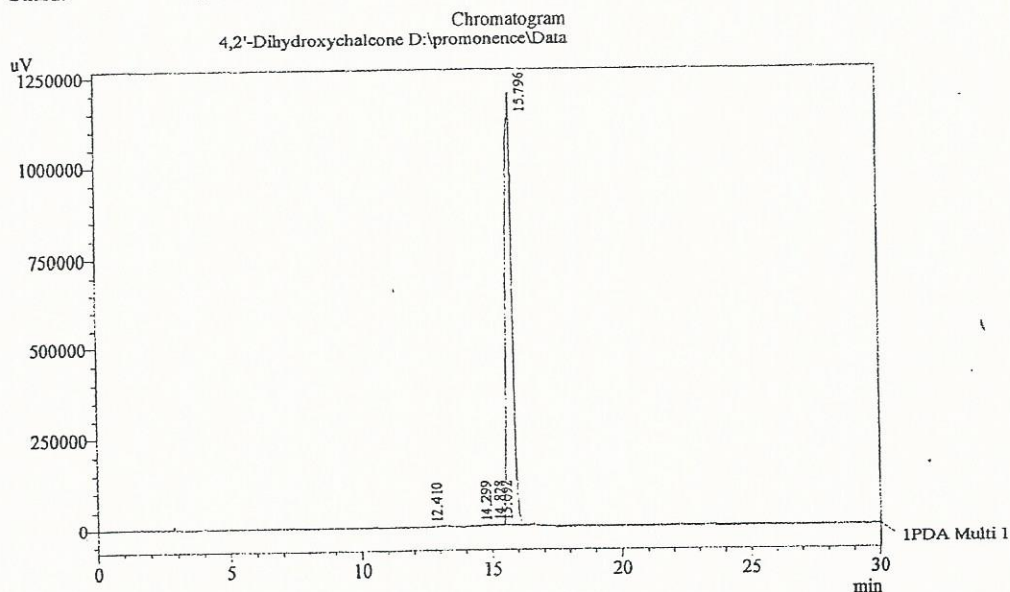
HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4,2'-Dihydroxychalcone
Sample ID : Lot-No: 98134
Injection Volume : 20 uL
Data Filename : 121113G.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: D-503
Product Name: 4,2'-Dihydroxychalcone
Lot No.: 98134



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
Diluent : Methanol



1 PDA Multi 1 / 254nm 4nm

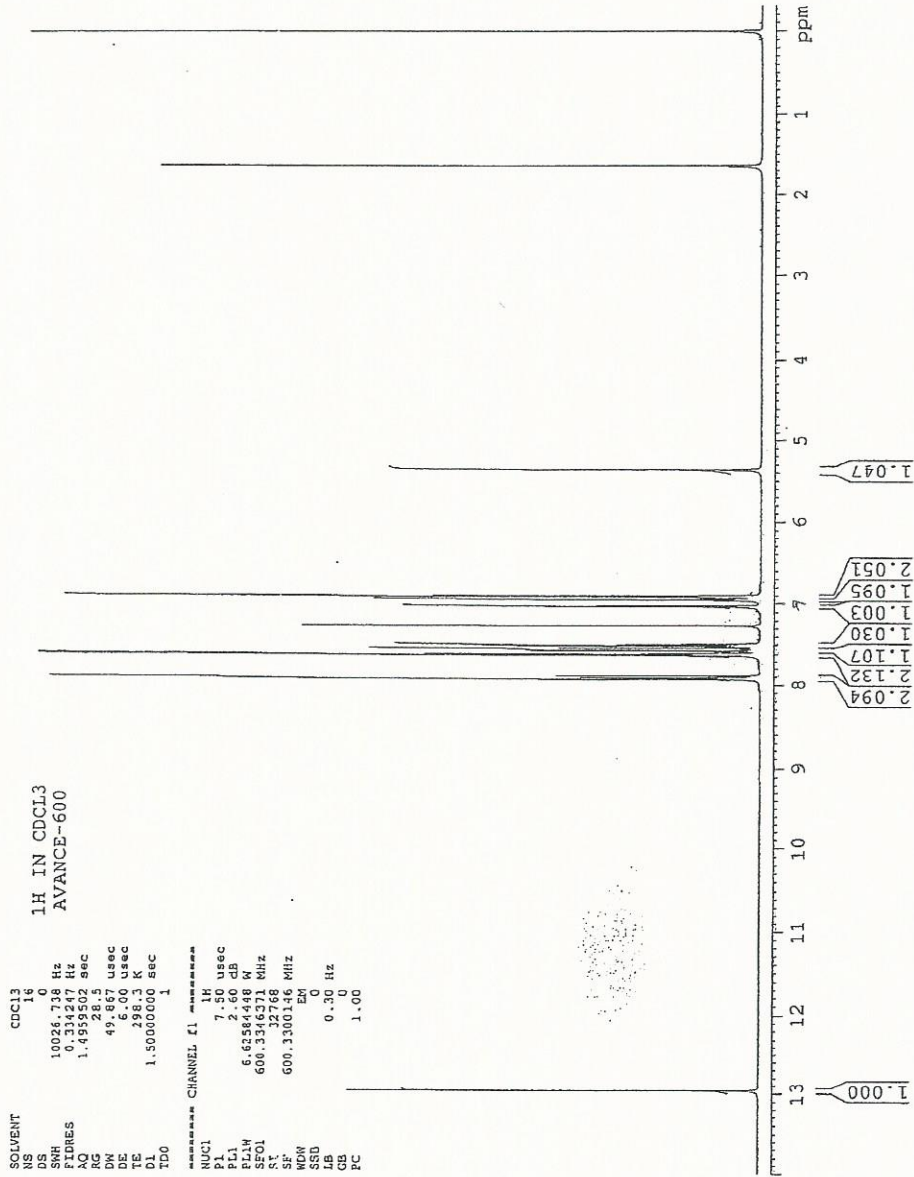
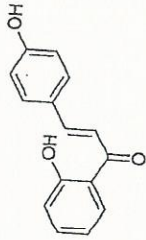
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.410	12.410	5650	0.03	0.79
2	RT:14.299	14.299	10085	0.05	0.91
3	RT:14.828	14.828	27191	0.14	0.94
4	RT:15.092	15.092	12894	0.07	0.96
5	4,2'-Dihydroxychalcone	15.796	19702661	99.72	1.00
Total			19758481	100.00	



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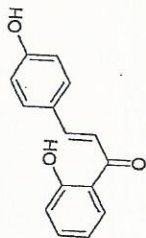
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Catalog No.: D-503
Product Name: 4,2'-Dihydroxychalcone
Lot No.: 98134



SOLVENT CDCL3
NS 16
DS 10066.708 Hz
SWH 10.334247 Hz
FIDRES 1.4959502 sec
AQ 28.5
RG 49.867 usec
DN 6.00 usec
DE 200.00 Hz
TE 1.50000000 sec
D1 1
TD0 1

***** CHANNEL F1 *****
NUC1 1H
P1 7.50 usec
PL1 0.00 dB
PL11 6.62584448 K
SFO1 600.3316371 MHz
SI 32768
SF 600.3300146 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 1.00
PC 1.00

