

ICC **INDOFINE Chemical Company, Inc.**

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

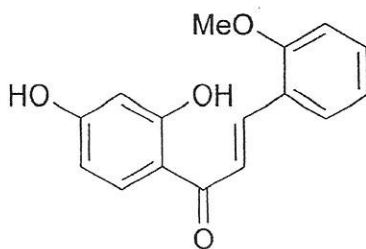
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	D-505
<u>Product Name:</u>	2',4'-DIHYDROXY-2-METHOXYCHALCONE
<u>CAS Number:</u>	[104236-78-4]
<u>Lot Number:</u>	0210195
<u>Chemical Formula:</u>	C ₁₆ H ₁₄ O ₄
<u>Molecular Weight:</u>	270.29
<u>Appearance:</u>	Yellow powder
<u>Melting Point:</u>	184-187°C
<u>TLC:</u>	Chloroform:Methanol (9.5:0.5)
<u>Solubility:</u>	Soluble in DMSO
<u>NMR Spectrum:</u>	Enclosed (conforms to the structure)
<u>Storage:</u>	Store in a cool, dry place
<u>Purity(HPLC):</u>	98.33%



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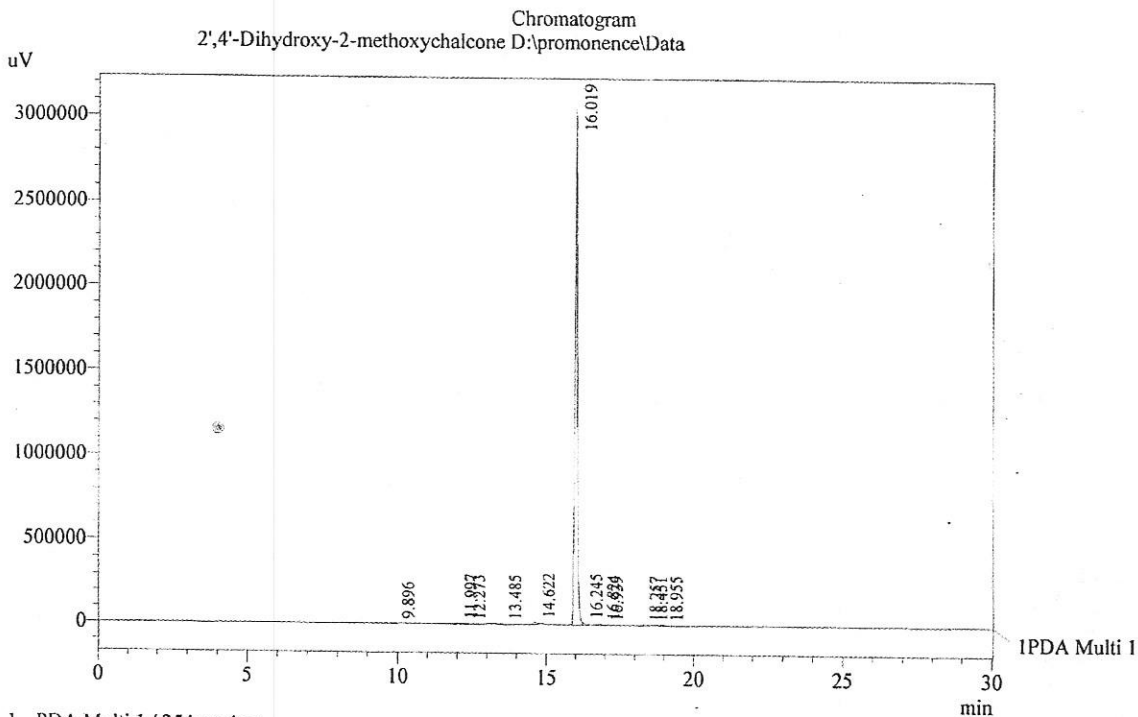
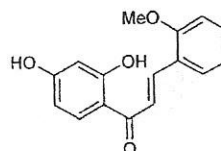
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HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2',4'-Dihydroxy-2-methoxychalcone
 Sample ID : Lot No: 0210195
 Injection Volume : 20 uL
 Data Filename : 021214N.lcd
 Method Filename : Linear Gradient.M.lcm

Catalog No.: D-505
 Product Name: 2',4'-Dihydroxy-2-methoxychalcone
 Lot No.: 0210195

Column : Gemini C18 (250mm x4.6mm 5.0μ)
 Flow : 1.000 mL/min.
 Mobile Phase : A(0.05% of 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

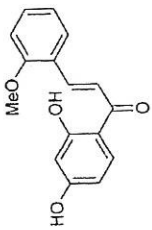
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:9.896	9.896	5569	0.03	0.62
2	RT:11.997	11.997	30881	0.18	0.75
3	RT:12.273	12.273	8685	0.05	0.77
4	RT:13.485	13.485	14892	0.09	0.84
5	RT:14.622	14.622	75121	0.44	0.91
6	RT:16.019	16.019	16909280	98.33	1.00
7	RT:16.245	16.245	65952	0.38	1.01
8	RT:16.824	16.824	53184	0.31	1.05
9	RT:16.939	16.939	2600	0.02	1.06
10	RT:18.257	18.257	10302	0.06	1.14
11	RT:18.451	18.451	2883	0.02	1.15
12	RT:18.955	18.955	16797	0.10	1.18
Total			17196146	100.00	



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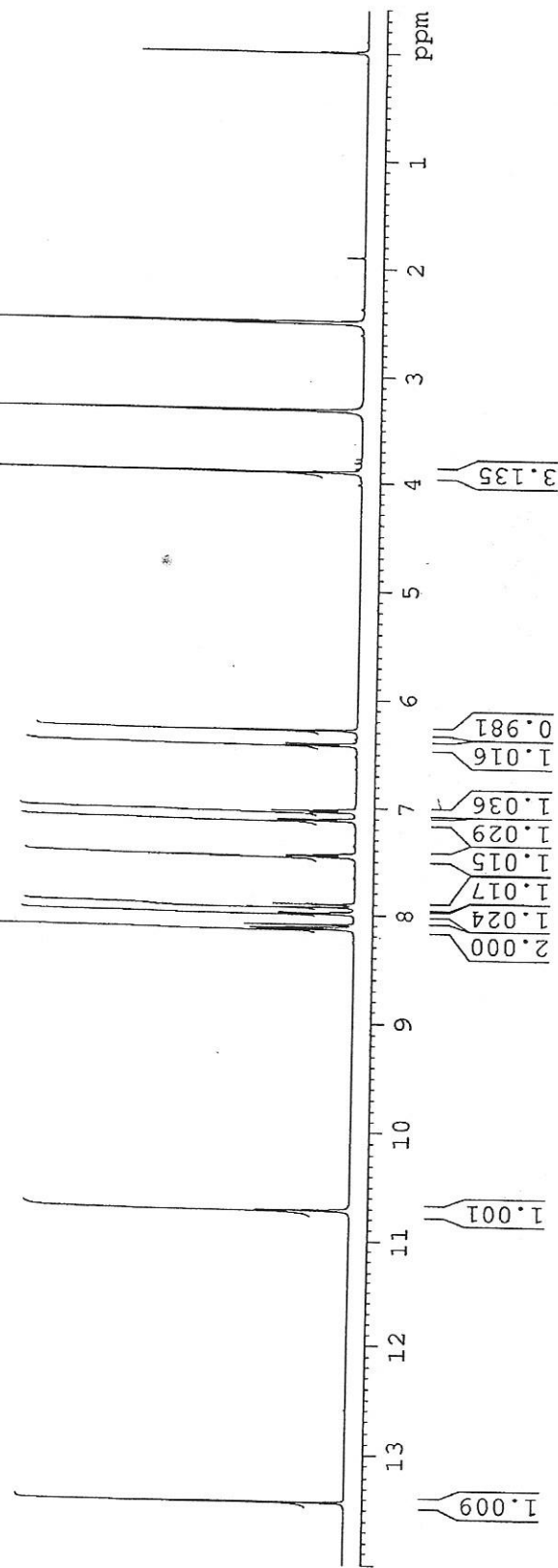
Catalog No.: D-505
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Lot No.: 0210195

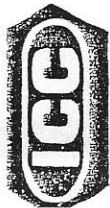


SOLVENT DMSO
NS 8
DS 0
SWH 10416.667 Hz
FIDRES 0.347245 Hz
AQ 1.4399540 sec
RG 512
DW 48.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
ID0 1

==== CHANNEL f1 =====
NUC1 1H
P1 8.30 usec
PL -1.00 dB
PL1W 15.17893314 W
SFO1 600.3344558 MHz
SI 32768
SF 600.3300110 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

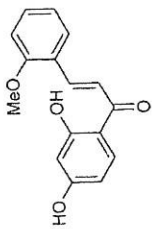
1H IN DMSO
AVANCE-600





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