



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

Catalog Number: 22-347

Product Name: **2',5'-DIHYDROXY-4-METHOXYCHALCONE**

Lot Number: 0307112

Chemical Formula: C₁₆H₁₄O₄

Molecular Weight: 270.29

Melting Point: 176-177°C

Appearance: Red-orange crystals

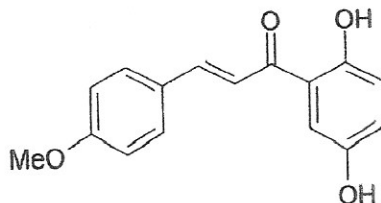
Solubility: Soluble in DMSO

TLC: n-Hexane:Ethyl acetate (1:1)

NMR Spectrum: Conforms to structure

Storage: Store in a cool, dry place

Purity(HPLC): 99.43%



Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP



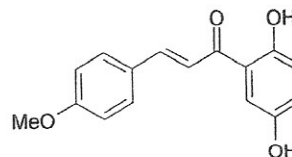
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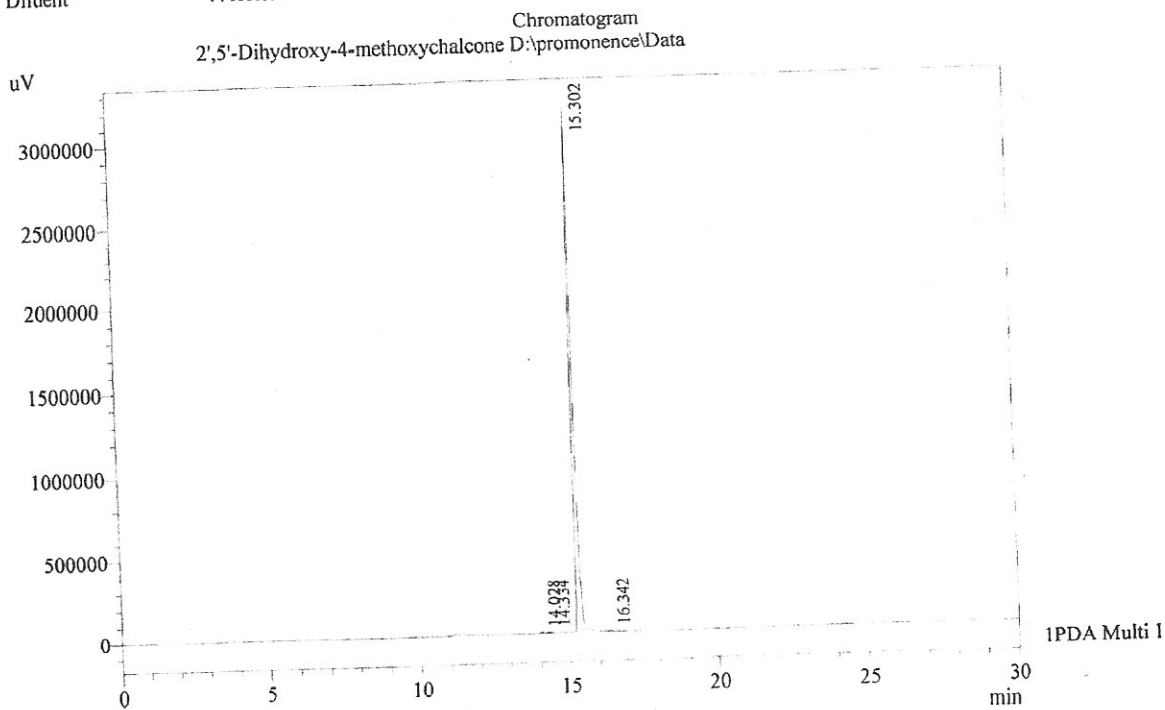
HPLC ANALYSIS

Acquired by : Admin
Sample Name : 2',5'-Dihydroxy-4-methoxychalcone
Sample ID : 0307112
Injection Volume : 20 uL
Data Filename : 110615F.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 22-347
Product Name: 2',5'-Dihydroxy-4-methoxychalcone
Lot No.: 0307112



Column : LUNA C-18, (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(Water) B(Acetonitrile)
0.01 90 10
12.0 10 90
20.0 10 90
23.0 90 10
30.0 90 10
Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2',5'-DiOH-4-OMe chalcone	14.028	23045	0.15	0.92
2	RT:14.334	14.334	30308	0.19	0.94
3	RT:15.302	15.302	15487406	99.43	1.00
4	RT:16.342	16.342	35525	0.23	1.07
Total			15576283	100.00	

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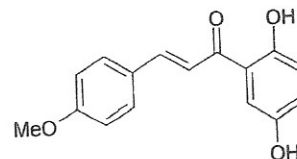
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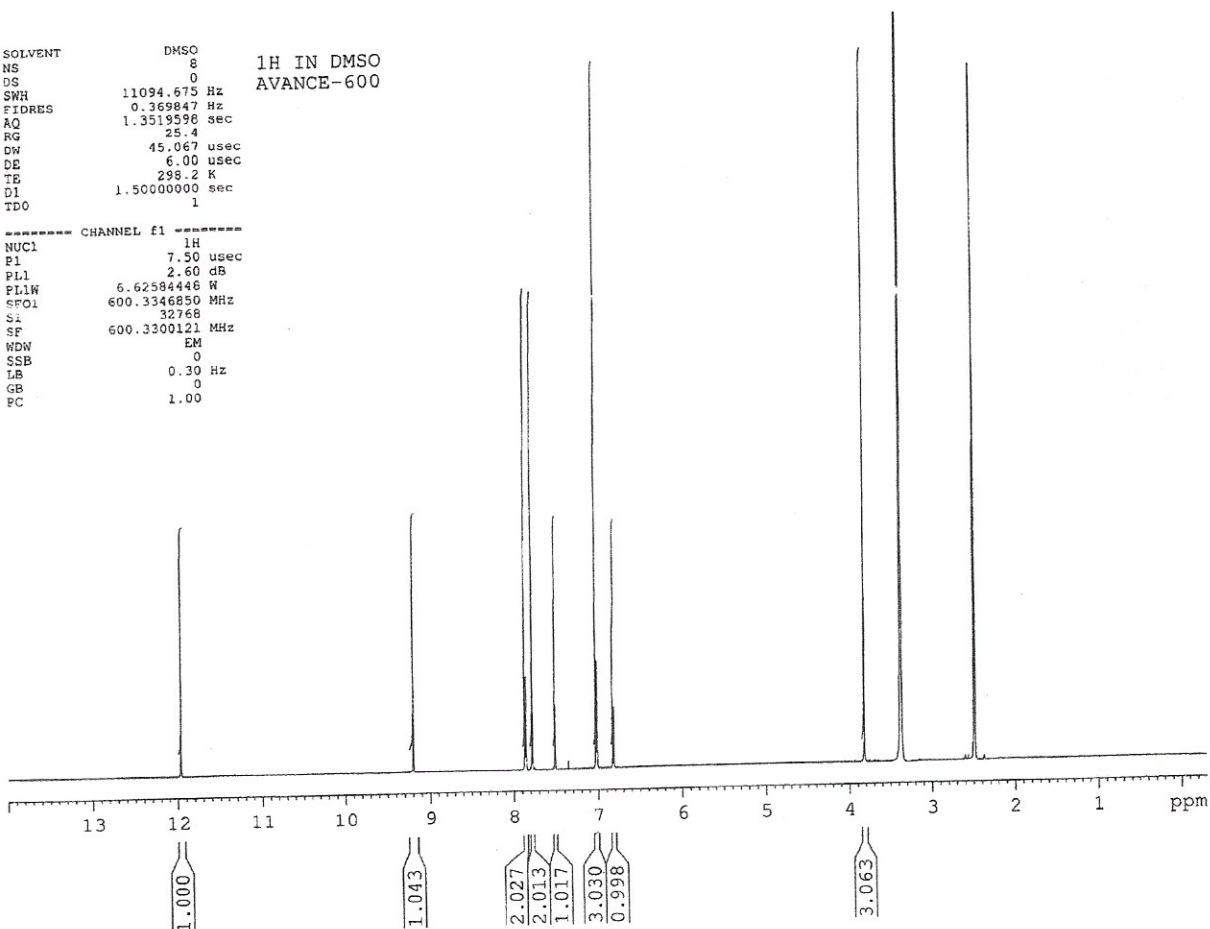
Lot No.: 0307112



SOLVENT DMSO
NS 8
DS 0
SWH 11094.675 Hz
FIDRES 0.369847 Hz
AQ 1.3519596 sec
RG 25.4
DW 45.067 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDO 1

1H IN DMSO
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL 2.60 dB
PL1W 6.62584446 W
SFO1 600.3346850 MHz
SI 32768
SF 600.3300121 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



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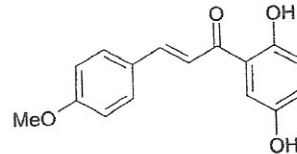
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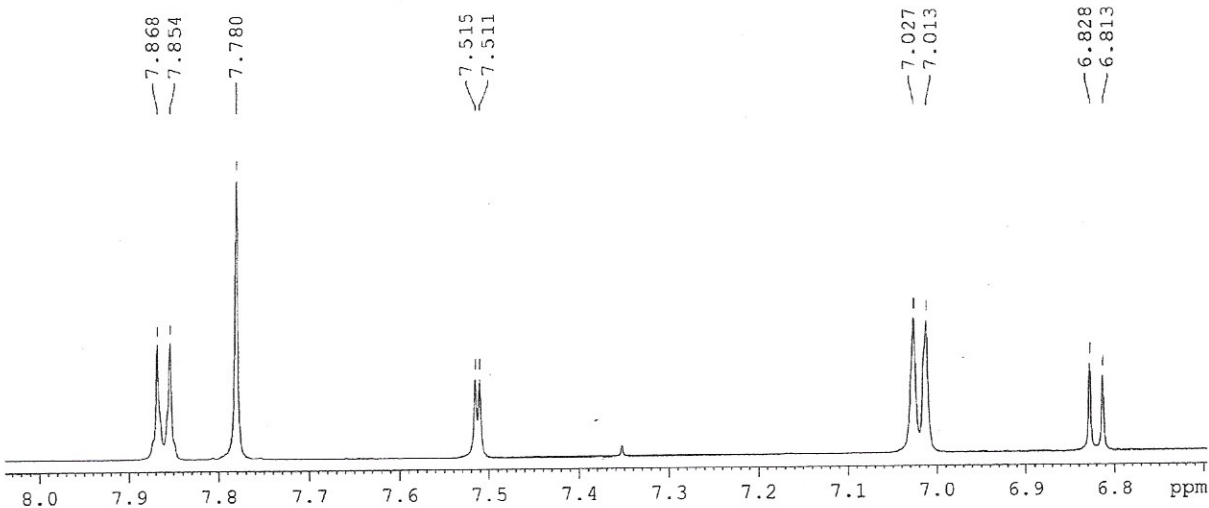
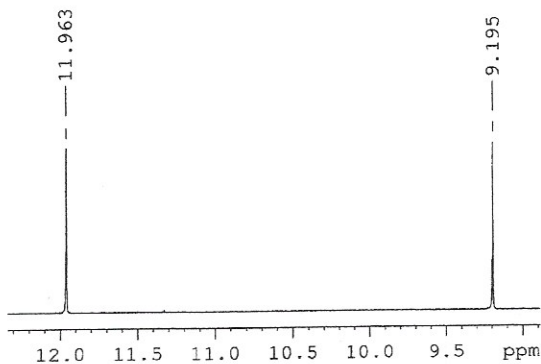
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Lot No.: 0307112



```
SOLVENT      DMSO
NS           8
DS           0
SWH         11094.675 Hz
FIDRES      0.369847 Hz
AQ          1.3519598 sec
RG           25.4
DW          45.067 usec
DE           6.00 usec
TE           298.2 K
D1          1.5000000 sec
D10         1
TDO

===== CHANNEL f1 =====
NUC1        1H
P1          7.50 usec
PL1         2.60 dB
PL1W        6.62584448 W
SFO1        600.3346850 MHz
SI          32768
SF          600.3300121 MHz
WDW         EM
SSB         0
LB          0.30 Hz
GB          0
PC          1.00
```



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