



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: D-507

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

CAS Number: [13351-10-5]

Lot Number: 0107077

Chemical Formula: C₁₆H₁₄O₄

Molecular Weight: 270.29

Melting Point: 181-184°C

Appearance: Dark yellow powder

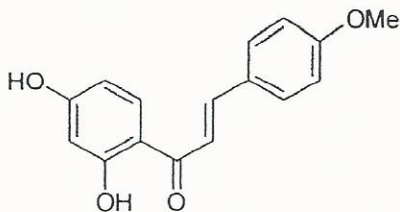
Solubility: Soluble in DMSO

TLC: Hexane : Ethyl acetate (7:3)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.57%





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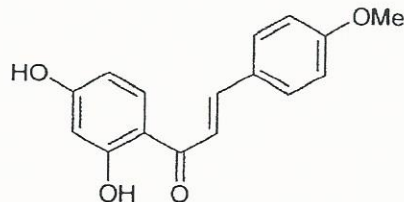
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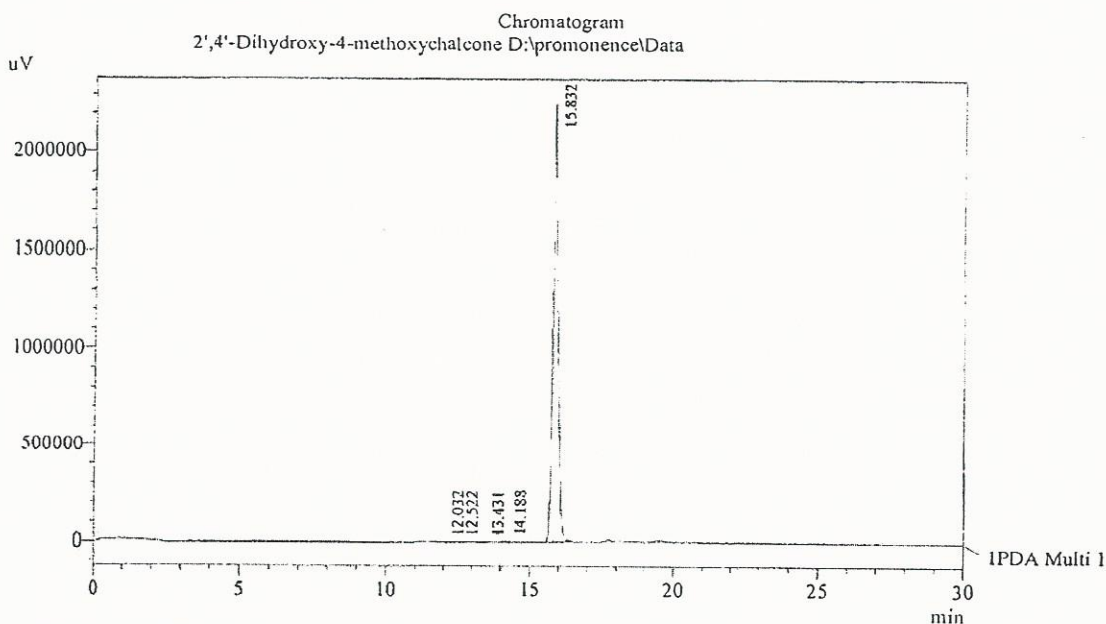
HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2',4'-Dihydroxy-4-methoxychalcone
 Sample ID : Lot No:- 0107077
 Injection Volume : 20 uL
 Data Filename : 080413J.lcd
 Method Filename : Linear Gradient.M.lcm



Column : LUNA C-18(2), (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

Catalog No.: D-507
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I PDA Multi 1 / 230nm 4nm

PeakTable

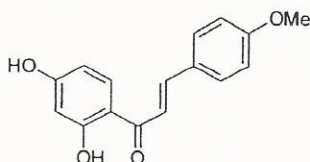
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.032	12.032	12378	0.05	0.76
2	RT:12.522	12.522	9123	0.03	0.79
3	RT:13.431	13.431	29798	0.11	0.85
4	RT:14.188	14.188	63983	0.24	0.90
5	2',4'-Di-OH-4-methoxychal	15.832	26740700	99.57	1.00
Total			26855981	100.00	



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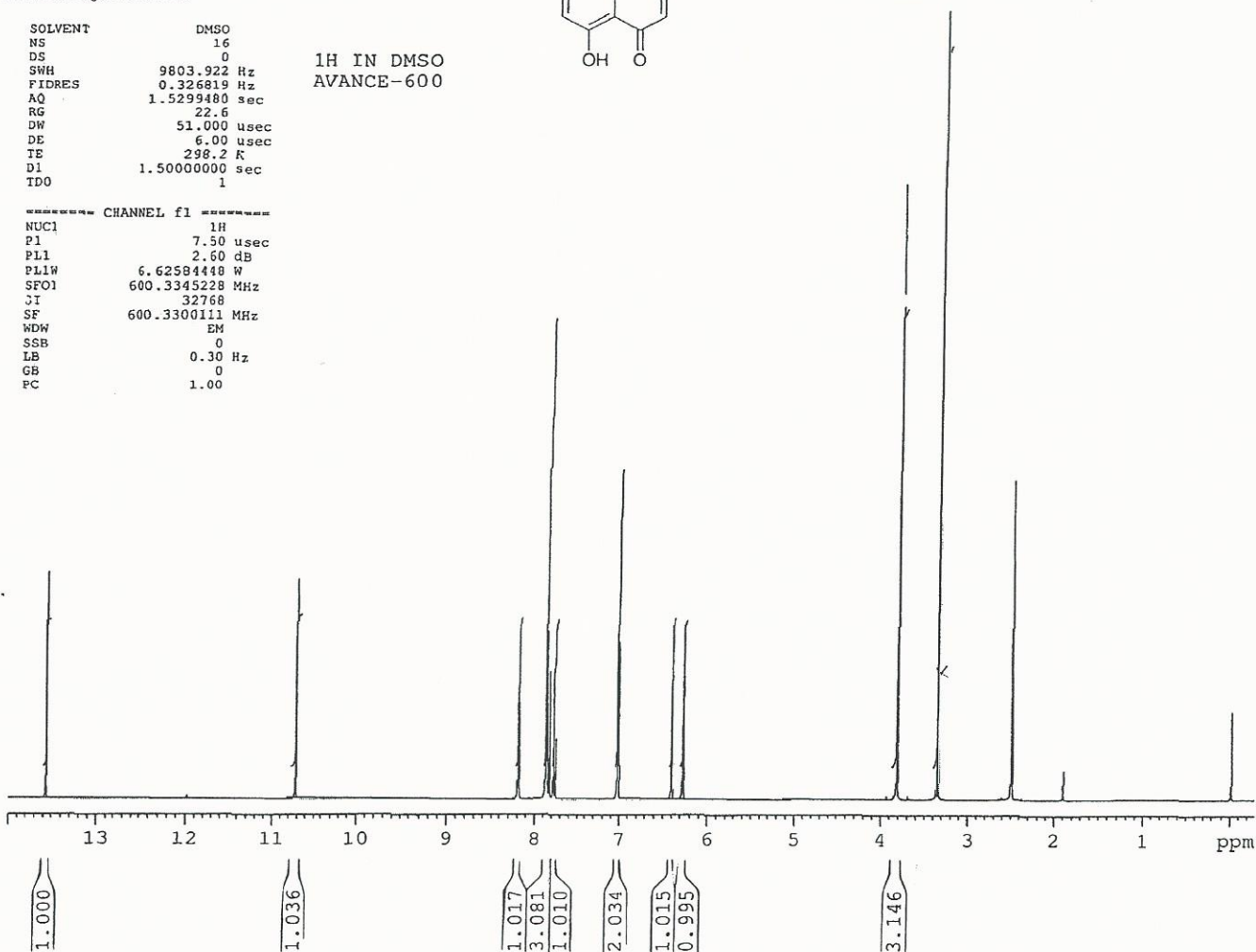


Catalog No.: D-507
Product name: 2',4'-Dihydroxy-4-methoxychalcone
Lot No.: 0107077

SOLVENT DMSO
NS 16
DS 0
SWH 9803.922 Hz
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 22.6
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TD0 1

1H IN DMSO
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
JI 32768
SF 600.3300111 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00





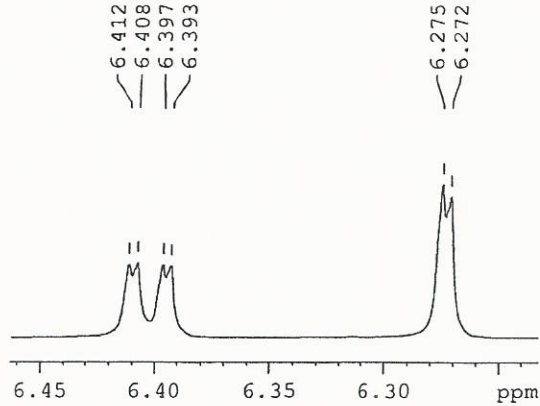
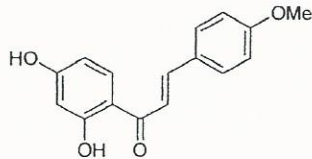
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