



INDOFINE Chemical Company, Inc.

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

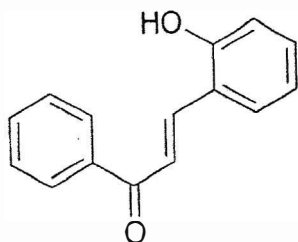
Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

<u>Catalog Number:</u>	021270
<u>Product Name:</u>	2-HYDROXYCHALCONE (2-Hydroxybenzylidene acetophenone)
<u>CAS Number:</u>	[644-78-0]
<u>Lot Number:</u>	0203073
<u>Chemical Formula:</u>	$C_{15}H_{12}O_2$
<u>Molecular Weight:</u>	224.26
<u>Melting Point:</u>	150-153°C
<u>Appearance:</u>	Pale green powder
<u>Solubility:</u>	Soluble in DMSO
<u>TLC:</u>	Hexane: Ethyl acetate (7:3)
<u>NMR Spectrum:</u>	Enclosed (Confirms to the structure)
<u>Storage:</u>	Cool dry place
<u>Purity (HPLC):</u>	98.10%





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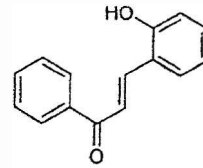
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HPLC ANALYSIS

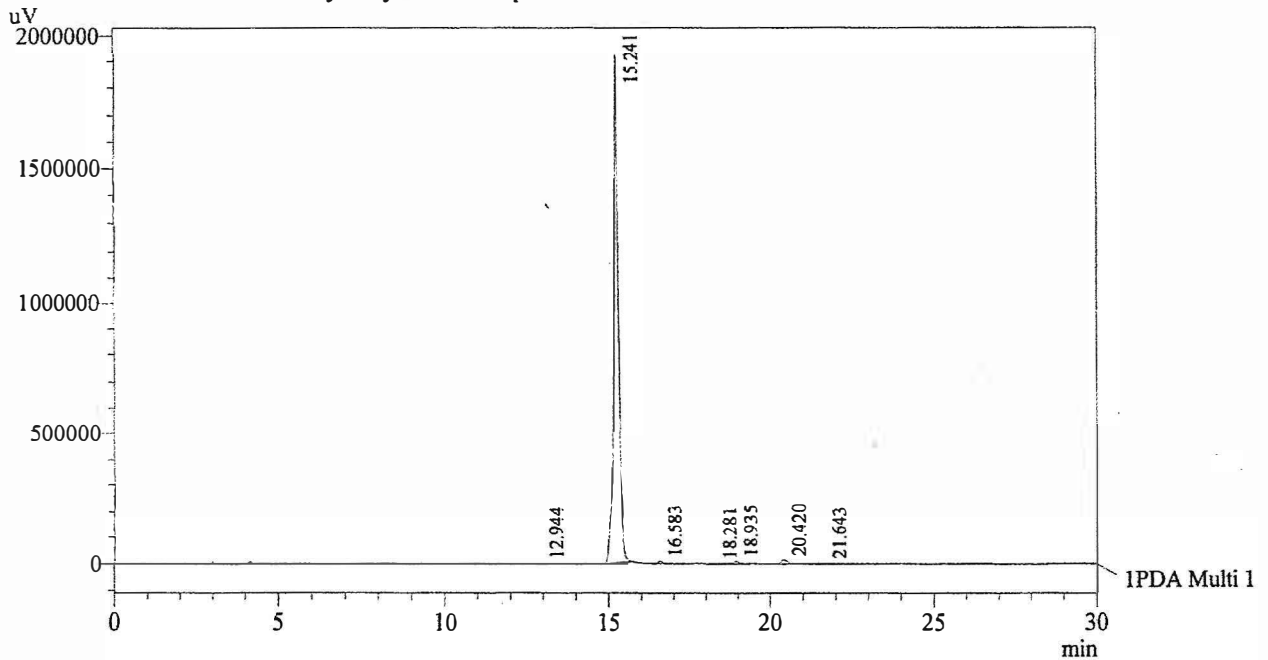
Acquired by : Sanjeev
Sample Name : 2-Hydroxychalcone
Sample ID : Lot No:0203073
Injection Volume : 20 uL
Data Filename : 040613K.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: 021270
Product name: 2-Hydroxychalcone
Lot No.: 0203073

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



Chromatogram
2-Hydroxychalcone D:\promonence\Data\2013JUNE-2013\040613K.lcd



1 IPDA Multi 1 / 254nm 4nm

PeakTable

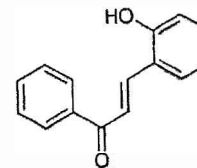
PDA Ch1 254nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:12.944	12.944	4878	0.03	0.85
2	2-Hydroxychalcone	15.241	18625709	98.10	1.00
3	RT:16.583	16.583	79685	0.42	1.09
4	RT:18.281	18.281	7232	0.04	1.20
5	RT:18.935	18.935	80286	0.42	1.24
6	RT:20.420	20.420	170280	0.90	1.34
7	RT:21.643	21.643	18620	0.10	1.42
Total			18986690	100.00	



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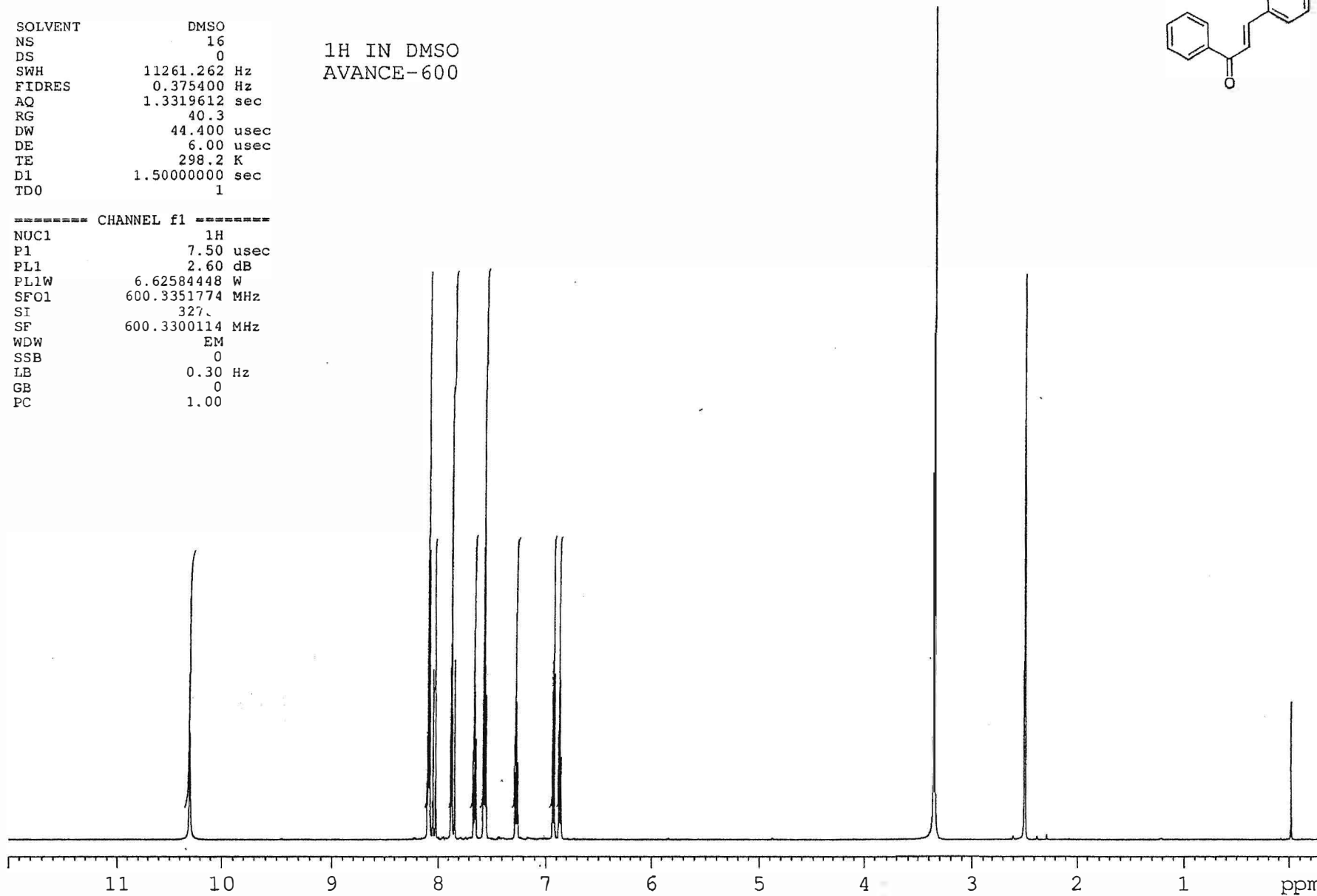
Catalog No.: 021270
Product name: 2-Hydroxychalcone
Lot No.: 0203073



SOLVENT DMSO
NS 16
DS 0
SWH 11261.262 Hz
FIDRES 0.375400 Hz
AQ 1.3319612 sec
RG 40.3
DW 44.400 usec
DE 6.00 usec
TE 298.2 K
D1 1.50000000 sec
TD0 1

1H IN DMSO
AVANCE-600

----- CHANNEL f1 -----
NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SF01 600.3351774 MHz
SI 327
SF 600.3300114 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00

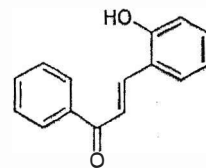


1.000

2.095
1.044
2.097
1.060
2.106
1.050
1.057
1.052



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