



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

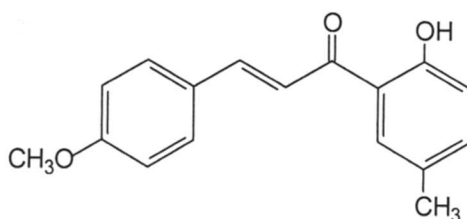
website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

CERTIFICATE OF ANALYSIS

Cat No.: 22-305

<u>Product:</u>	2'-Hydroxy-4-methoxy-5'-methylchalcone
<u>Lot Number:</u>	99192
<u>Molecular Formula:</u>	C ₁₇ H ₁₆ O ₃
<u>M.W.:</u>	268.32
<u>Melting Point:</u>	96-97.5°C
<u>Appearance:</u>	Orange crystalline powder
<u>Solubility:</u>	Soluble in chloroform
<u>TLC:</u>	Hexane : ethyl acetate (7:3)
<u>Purity(HPLC):</u>	99.74%





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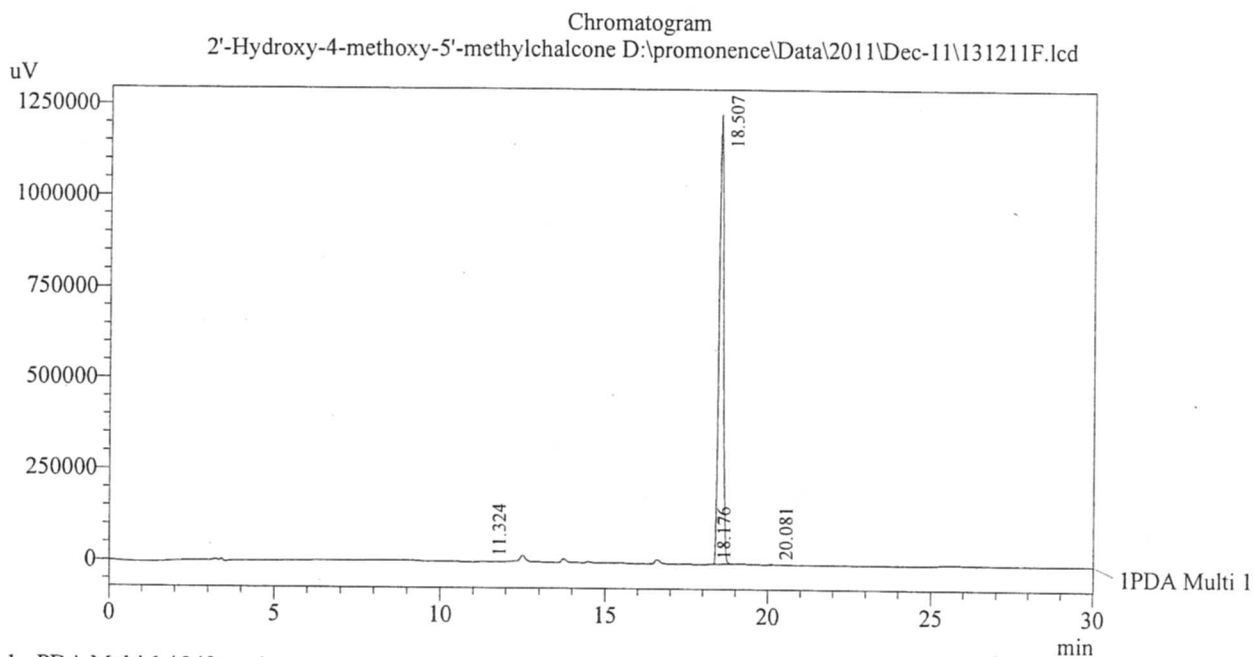
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : 2'-Hydroxy-4-methoxy-5'-methylchalcone
 Sample ID : Lot No:- 99192
 Injection Volume : 20 uL
 Data Filename : 131211F.lcd
 Method Filename : Linear Gradient.M.lcm
 Cat. No.: 22-305
 Product name: 2'-Hydroxy-4-methoxy-5'-methylchalcone
 Lot No.: 99192

Date Acquired : 12/13/2011 1:29:44 PM
 Data Processed : 12/13/2011 2:19:33 PM
 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
25.0	90	10
30.0	90	10



1 PDA Multi 1 / 240nm 4nm

PeakTable

PDA Ch1 240nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.324	11.324	8872	0.07	0.61
2	RT:18.176	18.176	7247	0.06	0.98
3	RT:18.507	18.507	11882482	99.74	1.00
4	RT:20.081	20.081	14795	0.12	1.09
Total			11913396	100.00	

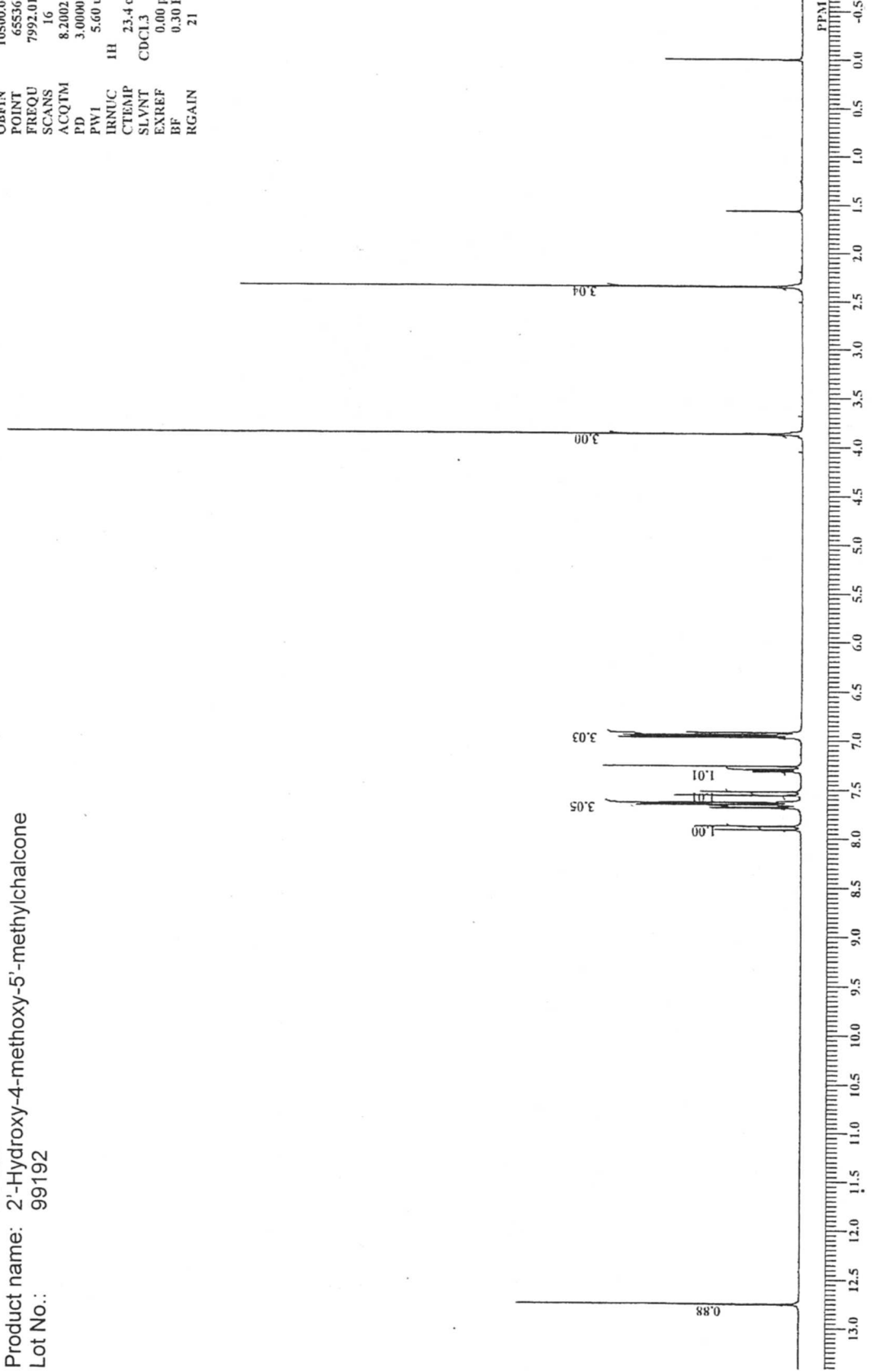


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BLDG. 30, SUITE 1
HILLSBOROUGH, NJ 08844

DFILE ICC-12.als
COMNT ICC-12 1H NMR CDCl3
DATIM Sun Dec 18 11:10:35 2011
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 3.0000 sec
PWI 5.60 usec
IRNUC 1H
CTEMP 23.4 c
SLVNT CDCl3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 21

ICC-12 1H NMR CDCl3

Cat. No.: 22-305
Product name: 2'-Hydroxy-4-methoxy-5'-methylchalcone
Lot No.: 99192





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DATIM Sun Dec 18 11:10:35 2011
OBNUC IH
EXMOD NON
OBFREQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTIM 8.2002 sec
PD 3.0000 sec
PW1 5.60 usec
IRNUC IH
CTEMP 23.4 c
SLVNT CDCL3
EXREF 0.00 ppm
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