



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: 19-632

Product Name: **3'-CHLORO-4-FLUORO-2'-HYDROXYCHALCONE**

Lot Number: 0308129

Chemical Formula: C₁₅H₁₀ClFO₂

Molecular Weight: 276.7

Melting Point: 158-160°C

Appearance: Yellow powder

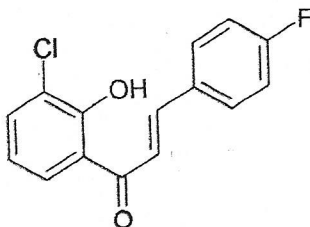
Solubility: Soluble in chloroform

TLC: Hexane : Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.25%





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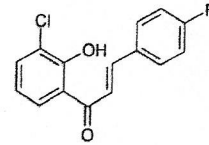
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HPLC ANALYSIS

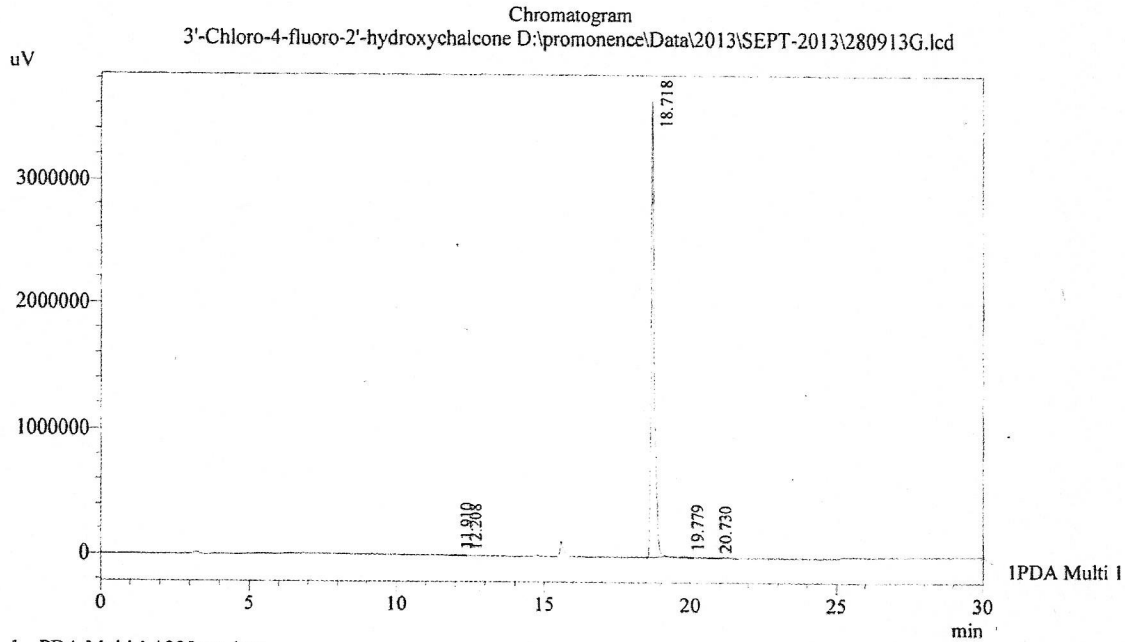
Acquired by : Sanjeev
Sample Name : 3'-Chloro-4-fluoro-2'-hydroxychalcone
Sample ID : Lot No:-0308129
Injection Volume : 20 uL
Data Filename : 280913G.lcd
Method Filename : Linear Gradient.M.lcm

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Product Name: 3'-Chloro-4-fluoro-2'-hydroxychalcone
Lot No.: 0308129



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 : Acetonitrile



1 PDA Multi 1 / 230nm 4nm

PeakTable

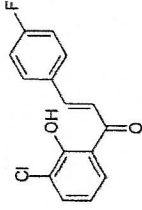
PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.910	11.910	62078	0.23	0.64
2	RT:12.208	12.208	7819	0.03	0.65
3	3'-Cl-4-F-2'-hydroxychalcone	18.718	26456433	99.25	1.00
4	RT:19.779	19.779	112255	0.42	1.06
5	RT:20.730	20.730	18677	0.07	1.11
Total			26657261	100.00	



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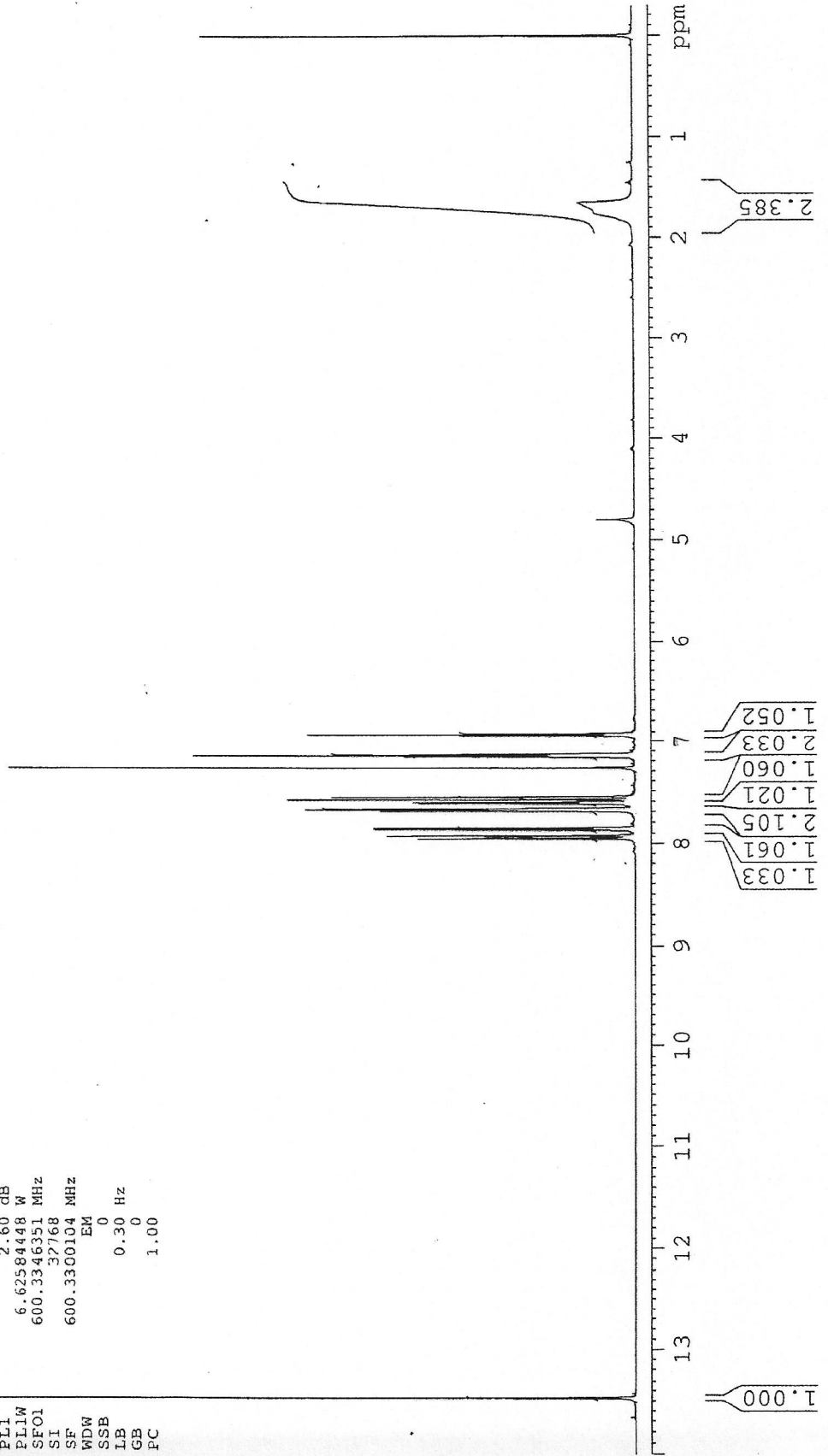
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 Product Name: 3'-Chloro-4-fluoro-2'-hydroxychalcone
 Lot No.: 0308129



SOLVENT CDCL3
 NS 8
 DS 0
 SWH 10245.901 Hz
 FIDRES 0.284166 Hz
 AQ 1.7595828 sec
 RG 22.6
 DW 48.800 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.5000000 sec
 TD0 1

ICC-SEP-04
 1H IN CDCL3
 AVANCE-600

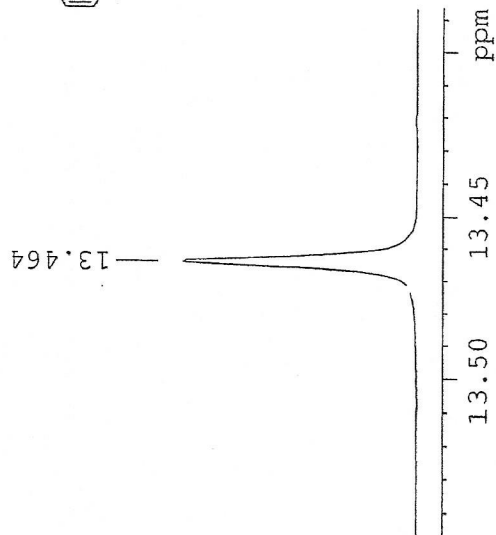
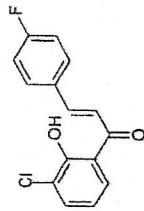
===== CHANNEL f1 1H =====
 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62584448 W
 SF01 600.3346351 MHz
 SI 37768
 SF 600.3300104 MHz
 EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00





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Catalog No.: 19-632
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 Lot No.: 0308129



SOLVENT CDC13
 NS 8
 DS 0
 SWH 10245.901 Hz
 FIDRES 0.284166 Hz
 AQ 1.7595828 sec
 RG 22.6
 DW 48.800 usec
 DE 6.00 usec
 TE 298.2 K
 D1 1.50000000 sec
 TDO 1

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 NUC1 1H
 P1 7.50 usec
 PL1 2.60 dB
 PL1W 6.62384448 W
 SF01 600.3346351 MHz
 SI 32768
 SF 600.3300104 MHz
 WDW EM
 SSB 0
 LB 0.30 Hz
 GB 0
 PC 1.00

