

ICC **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: H-021

Product Name: **2'-HYDROXYFLAVANONE**

Cas Number: [17348-76-4]

Lot Number: 1602739

Chemical Formula: C₁₅H₁₂O₃

Molecular Weight: 240.26

Melting Point: 165-168°C

Appearance: Faint yellow powder

Solubility(Color): Faint yellow

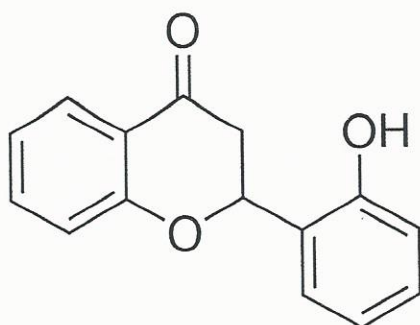
Moisture (KF): 0.36%

TLC: n-Hexane : Ethyl acetate (8:2)

NMR Spectrum: Enclosed (Conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.05%





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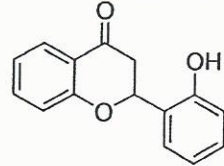
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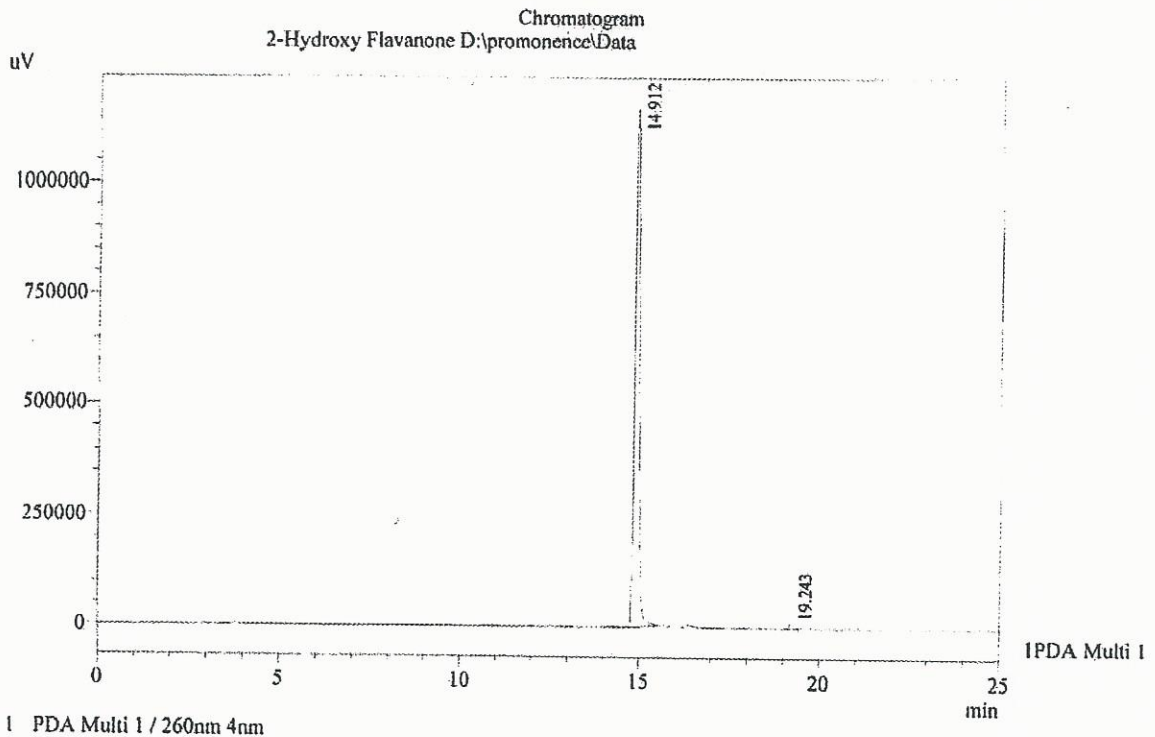
HPLC ANALYSIS

Acquired by : Admin
Sample Name : 2-Hydroxy Flavanone
Sample ID : 550 gms
Injection Volume : 20 uL
Data Filename : 200216E.lcd
Method Filename : Linear Gradient.M.lcm

Catalog No.: H-021
Product Name: 2'-Hydroxyflavanone
Lot No.: 1602739



Column : LUNA C-18, 250X4.6mm 5.0µm
Flow : 1.000mL/min.
Mobile Phase : A(Water 0.05% TFA) : B(ACN)
00.01 : 90 : 10
12.00 : 10 : 90
20.00 : 10 : 90
23.00 : 90 : 10
25.00 : 90 : 10



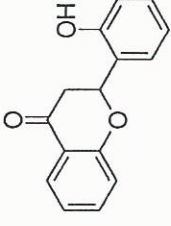
1 PDA Multi 1 / 260nm 4nm

PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	2-Hydroxy Flavanone	14.912	10639821	99.05	1.00
2	RT:19.243	19.243	101567	0.95	1.29
Total			10741388	100.00	



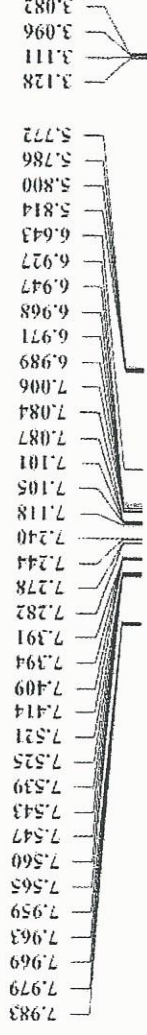
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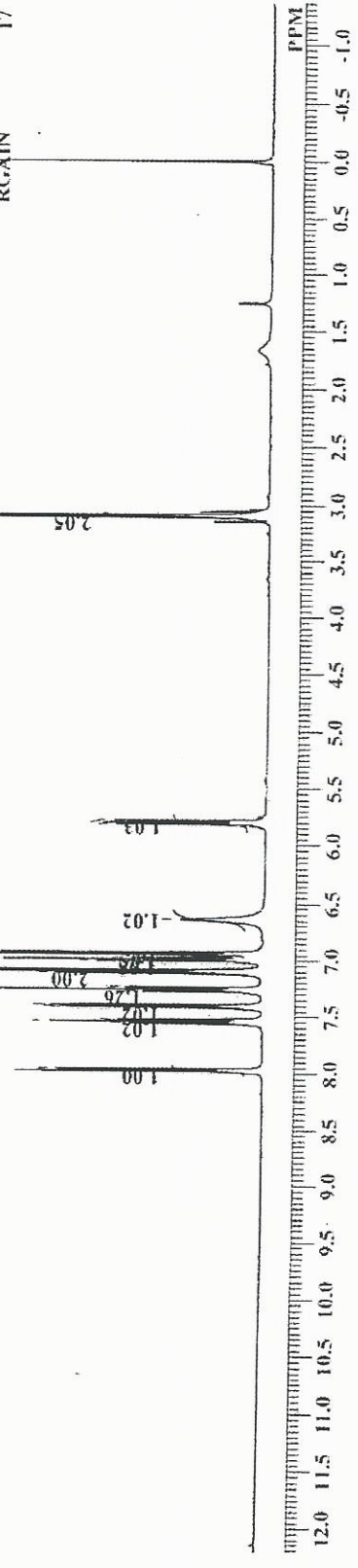
Catalog No.: H-021
Product Name: 2-Hydroxyflavanone
Lot No.: 1602739

1H NMR CDC13

Analysed By : CHR



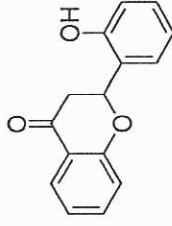
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
PUNT 16384
FREQU 10000.00 Hz
SCANS 16
ACQTM 1.6384 sec
PD 2.0000 sec
PWI 6.20 usec
IRNUC 1H
CTEMP 18.8 c
SLVNT CDCL3
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 17





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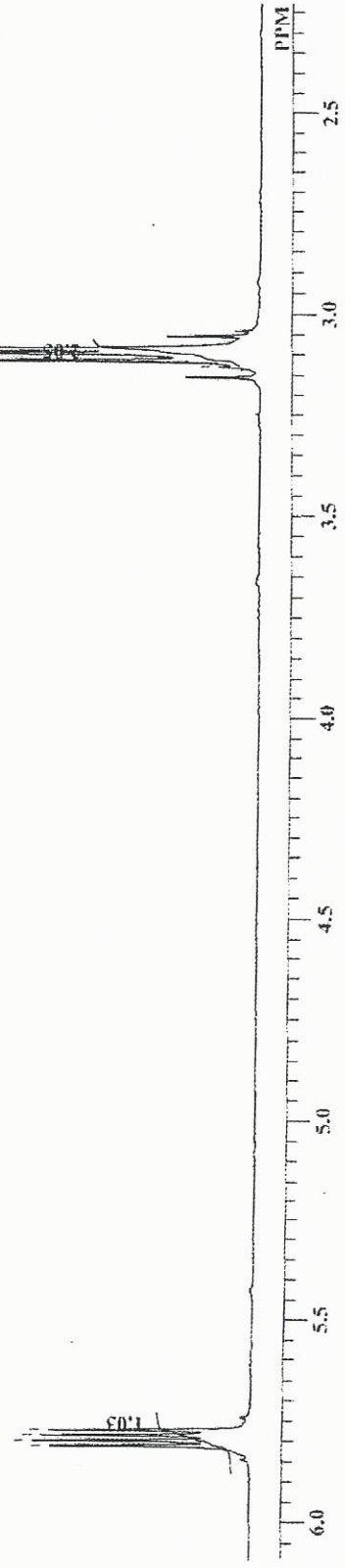
¹H NMR CDCl₃

Analysed By : CHR

5.814
5.800
5.786
5.772

3.128
3.111
3.096
3.082

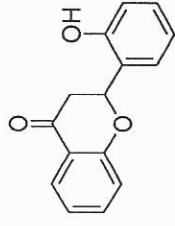
OBNUC	¹ H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PWI	6.20 usec
IRNUC	¹ H
CTEMP	18.8 c
SLVNT	CDCl ₃
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	17





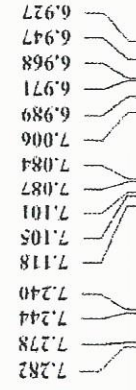
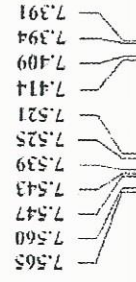
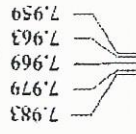
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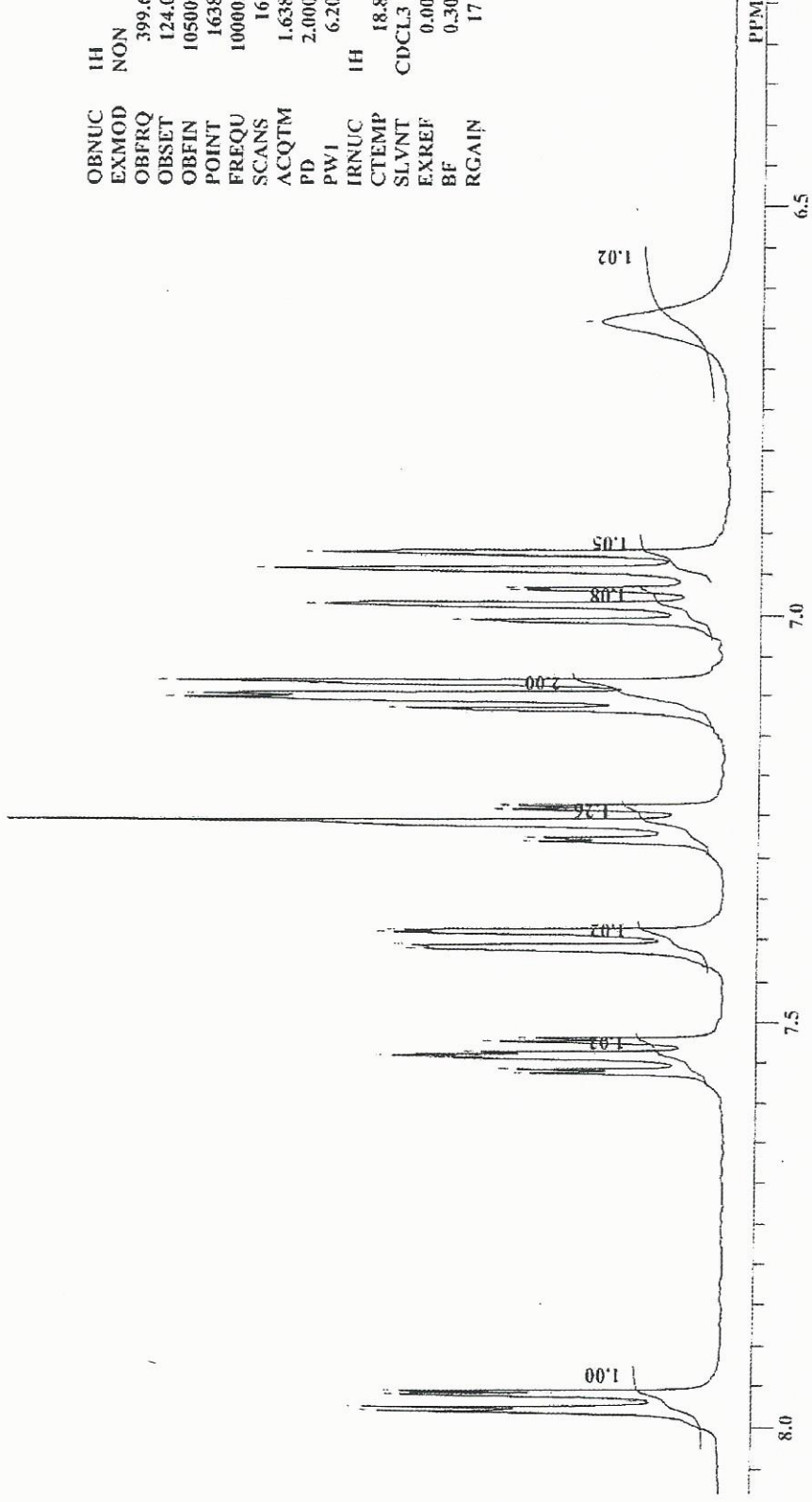
¹H NMR CDC13

Analysed By : CHR



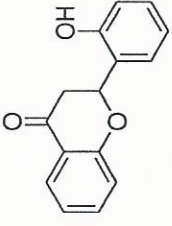
6.643

OBNUC	1H
EXMOD	NON
OBFRQ	399.65 MHz
OBSET	124.00 KHz
OBFIN	10500.00 Hz
POINT	16384
FREQU	10000.00 Hz
SCANS	16
ACQTM	1.6384 sec
PD	2.0000 sec
PW1	6.20 usec
IRNUC	1H
CTEMP	18.8 c
SLVNT	CDCL3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	17





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¹³C NMR CDCI3

Analysed By : CHR

193.303

161.418

153.383

136.465

129.739

127.228

126.627

124.659

122.008

120.971

120.757

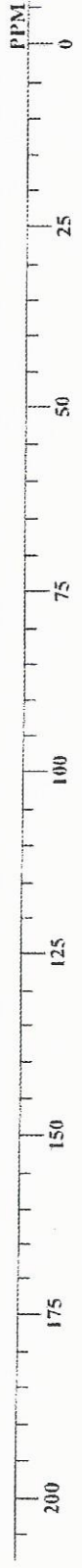
118.172

116.435

76.942

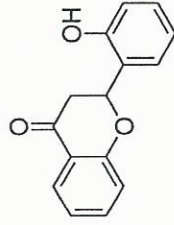
42.958

OBNUC ¹³C
EXMOD BCM
OBFRQ 100.40 MHz
OBSET 125.00 KHz
OBFIN 10500.00 Hz
POINT 32768
FREQU 27118.64 Hz
SCANS 512
ACQTM 1.2083 sec
PD 1.7920 sec
PWI 7.80 usec
IRNUC ¹H
CTEMP 19.3 c
SLVNT CDCL3
EXREF 77.00 ppm
BF 3.00 Hz
RGAIN 26





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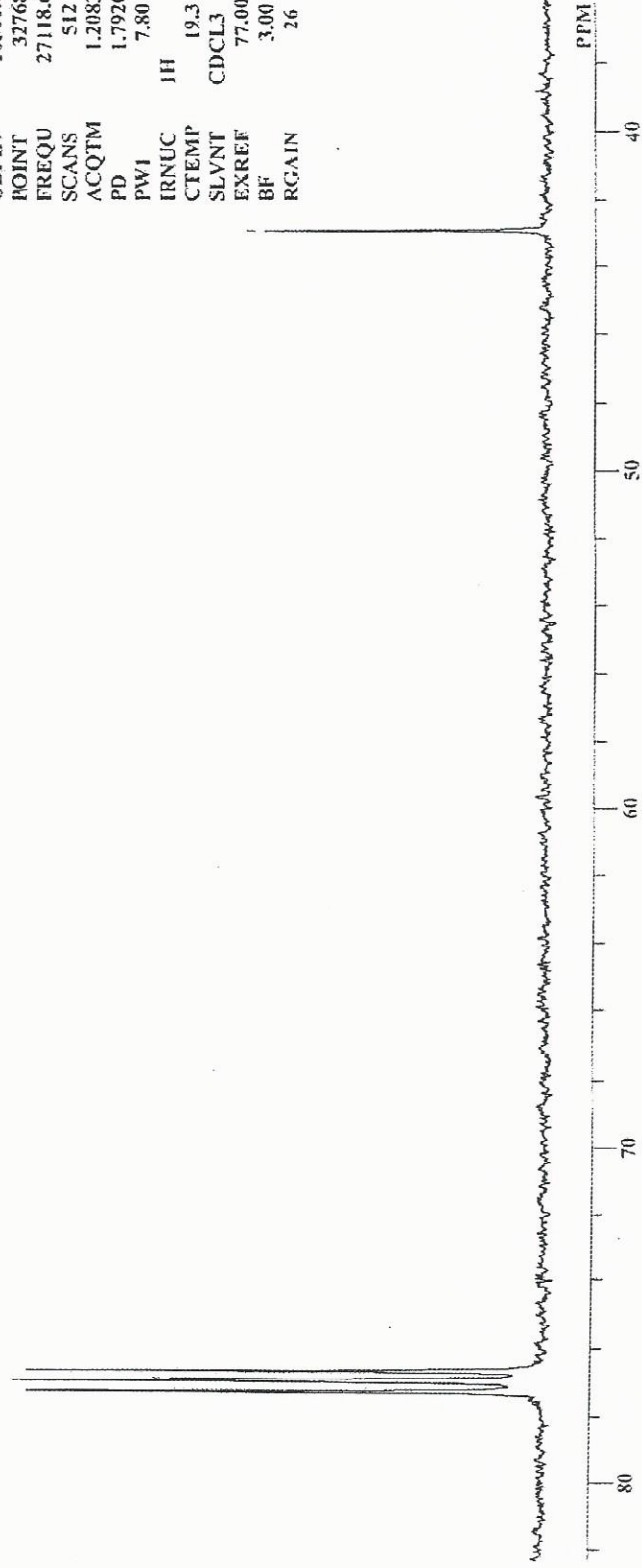
¹³C NMR CDCl₃

Analysed By : CHR

76.942

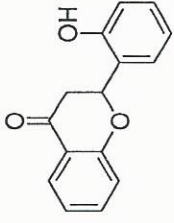
42.938

OBNUC	¹³ C
EXMOD	BCM
OBFRQ	100.40 MHz
OBSET	125.00 KHz
OBFIN	10500.00 Hz
POINT	32768
FREQU	27118.64 Hz
SCANS	512
ACQTM	1.2083 sec
PD	1.7920 sec
PW1	7.80 usec
IRNUC	¹ H
CTEMP	19.3 c
SLVNT	CDCl ₃
EXREF	77.00 ppm
BF	3.00 Hz
RGAIN	26





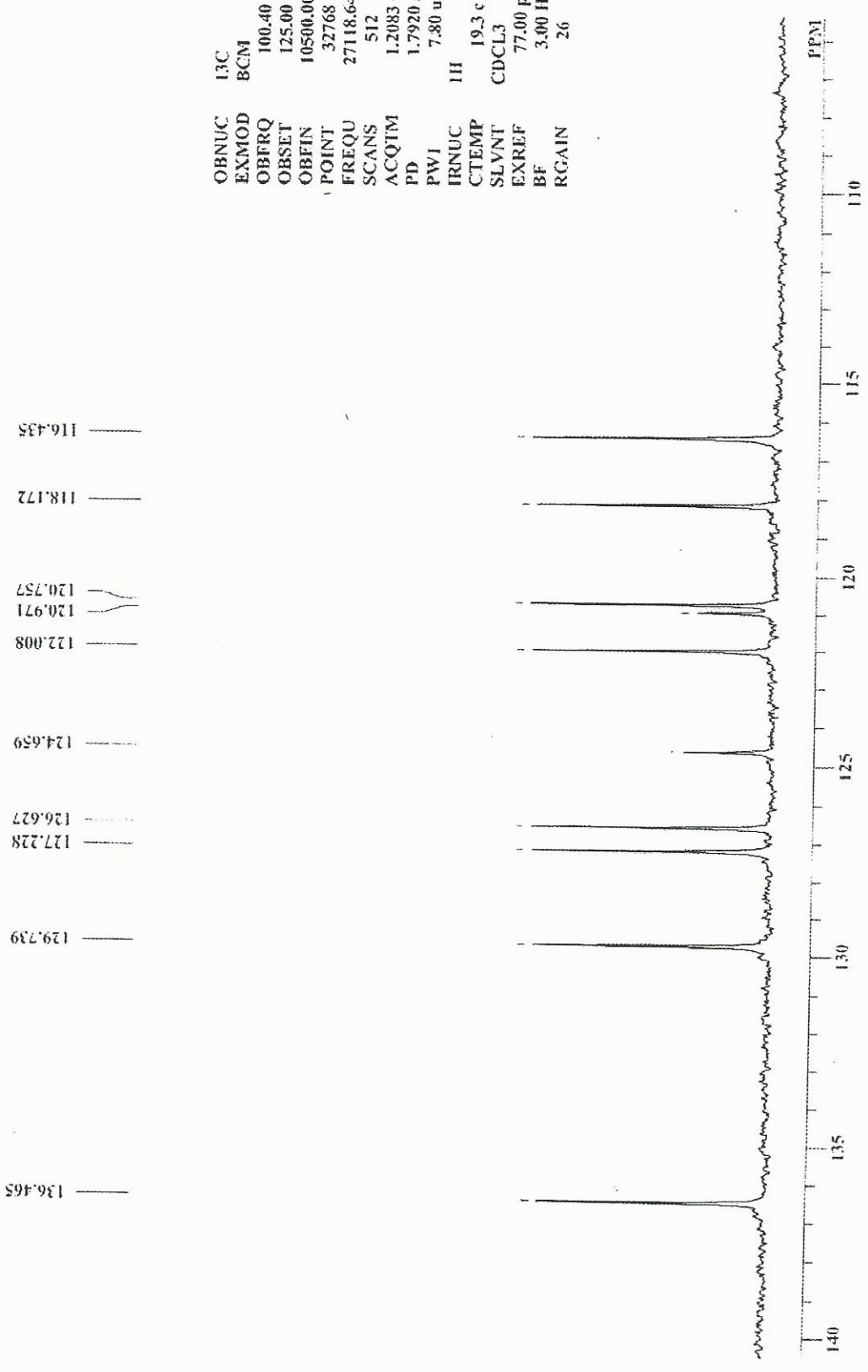
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¹³C NMR CDCI₃

Analysed By : CHR



OBNUC	¹³ C
EXMOD	BCM
OBFRQ	100.40 MHz
OBSET	125.00 KHz
OBFIN	10500.00 Hz
POINT	32768
FREQU	27118.64 Hz
SCANS	512
ACQTM	1.2083 sec
PD	1.7920 sec
PWI	7.80 usec
IRNUC	¹ H
CTEMP	19.3 c
SLVNT	CDCL ₃
EXREF	77.00 ppm
BF	3.00 Hz
RGAIN	26



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