

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

Cat No.: 06-013

Product: COLCHICINE

CAS Number: [64-86-8]

Lot Number: 0406209

Chemical Formula: C₂₂H₂₅NO₆

Molecular Weight: 399.45

Melting Point: 147-152°C

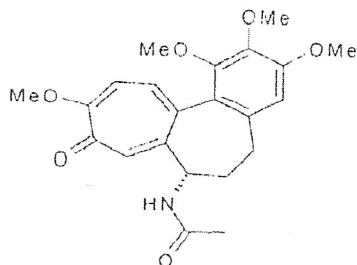
Appearance: Off white powder

Solubility: Soluble in Chloroform

TLC: Chloroform : methanol (1:1)

Storage: Cool dry place

Purity: 99.65%





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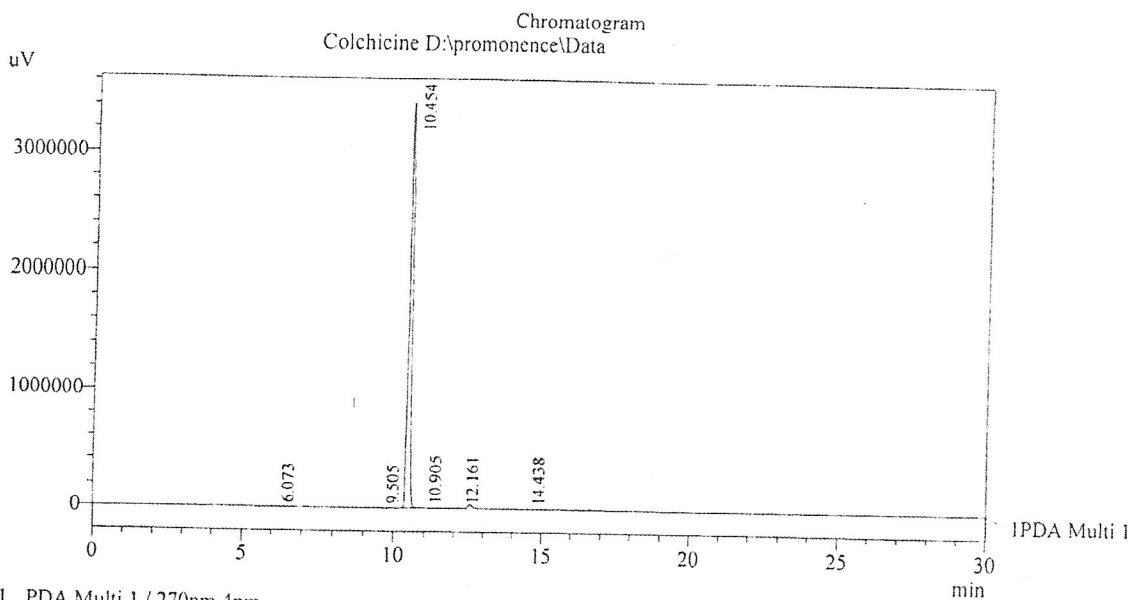
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
 Sample Name : Colchicine
 Sample ID : Lot No:- 0406209
 Injection Volume : 20 uL
 Data Filename : 151211L.lcd
 Method Filename : Linear Gradient.M.lcm

Cat. No.: 06-013
 Product name: Colchicine
 Lot No.: 0406209

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 / 270nm 4nm

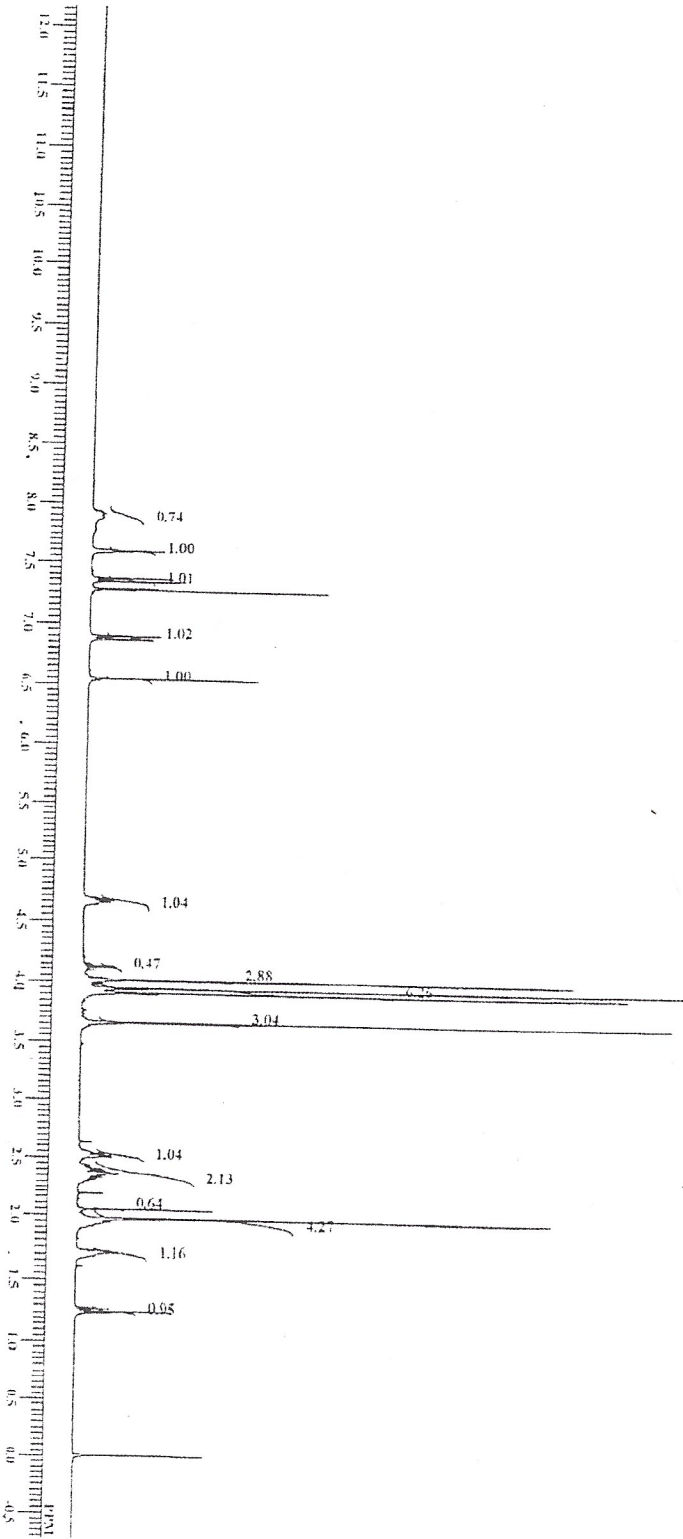
PeakTable

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:6.073	6.073	18128	0.07	0.58
2	RT:9.505	9.505	8964	0.04	0.91
3	RT:10.454	10.454	24559159	99.65	1.00
4	RT:10.905	10.905	3908	0.02	1.04
5	RT:12.161	12.161	46293	0.19	1.16
6	RT:14.438	14.438	10087	0.04	1.38
Total			24646539	100.00	



INDOFINE Chemical Company, Inc.
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 HILLSBOROUGH, NJ 08844

ICC-13 III NMR CDCL₃
 Cat. No.: 06-013
 Product name: Colchicine
 Lot No.: 0406209

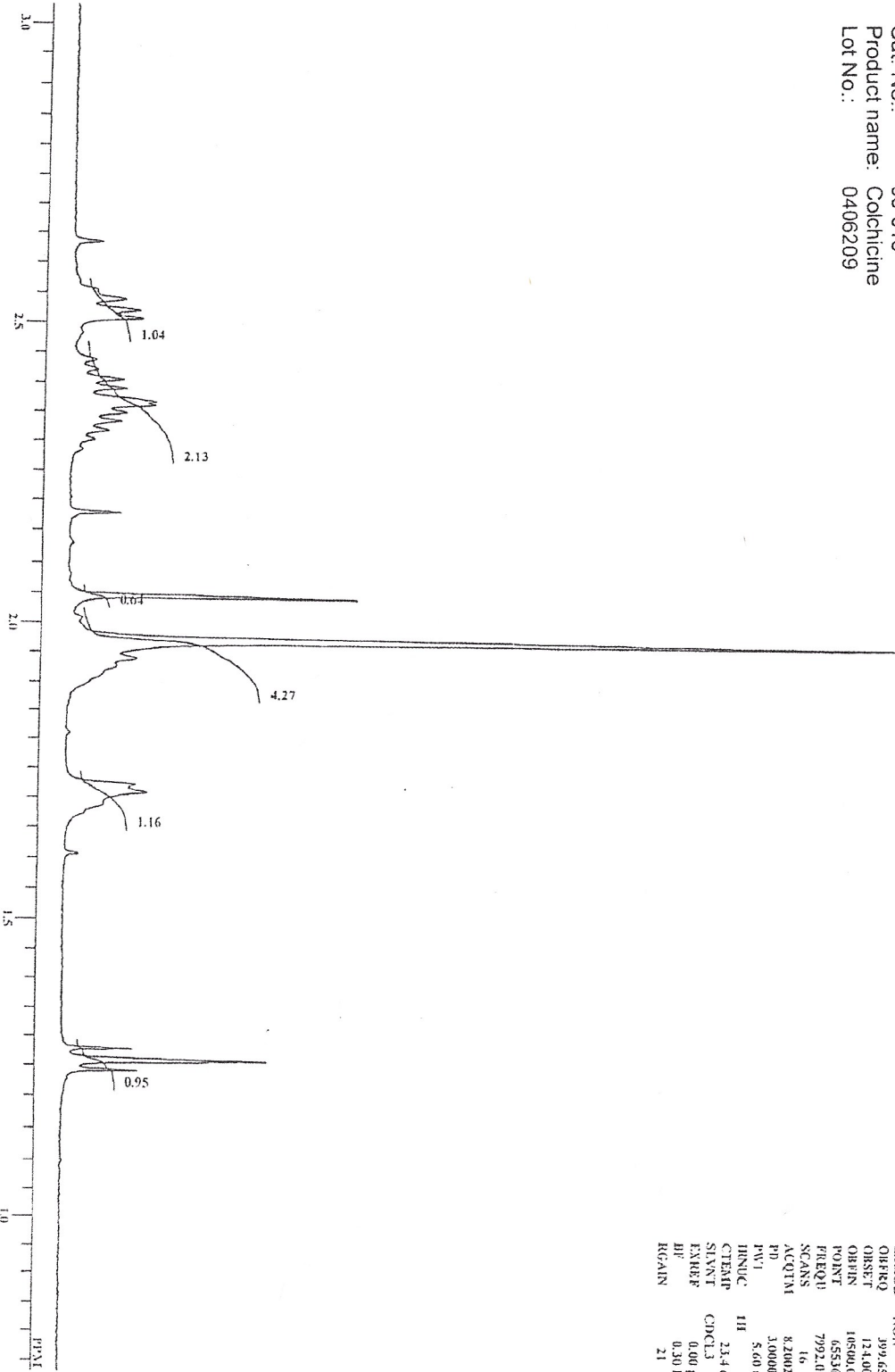


ORBITAL III
 EXAMID NON
 OBTRO 399.65 MHz
 OHSFT 124.00 KHz
 OBRIN 106500.00 Hz
 POINT 65536
 PRRPT 7972.01 Hz
 SCANS 16
 ACQTM 8.2002 sec
 PD 3.0000 sec
 PWT 5.60 msec
 IRNF C III
 CLEMP 214.6
 SLANT (TDC1)
 EXREF 400.000 ppm
 RF 0.30 Hz
 RGAIN 21

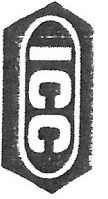


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ICG-13 1H NMR CDCL3
Cat. No.: 06-013
Product name: Colchicine
Lot No.: 0406209

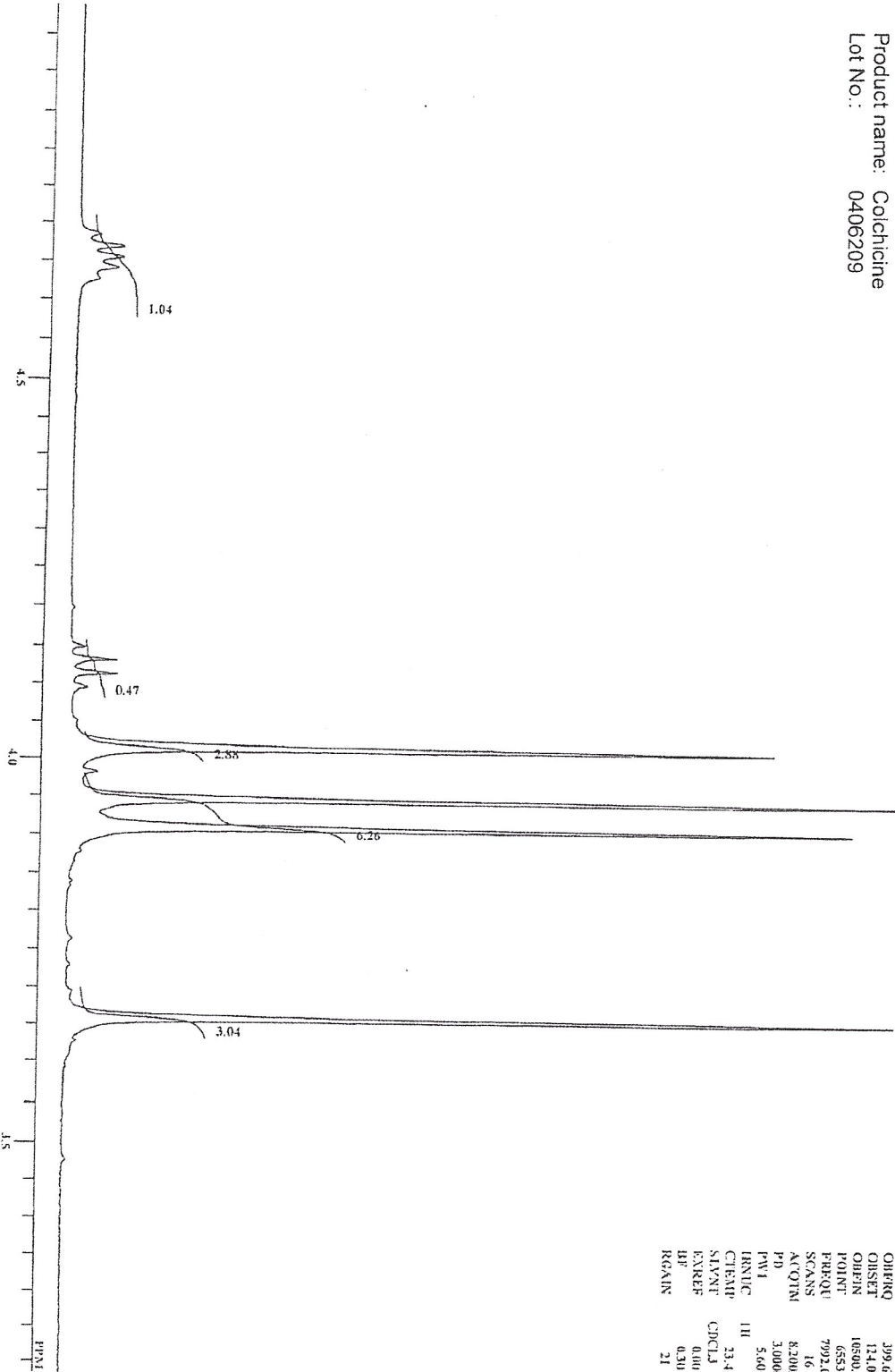


ORBIT 1H
EXRBD NON
DIRRQ 399.65 AMHz
DRSEF 124.00 KHz
DRPIN 10500.00 Hz
POINT 65536
FREQU 7992.01 Hz
SCANS 16
ACQTM 8.2002 sec
PD 1.0000 sec
PWT 5.60 msec
HNUC 1H
CTEMP 23.4 c
SLVNT CDCL3
EXREF 0.00 ppm
HF 0.30 Hz
RGAIN 21

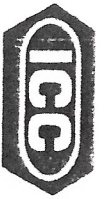


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Cat. No.: 06-013
Product name: Colchicine
Lot No.: 0406209

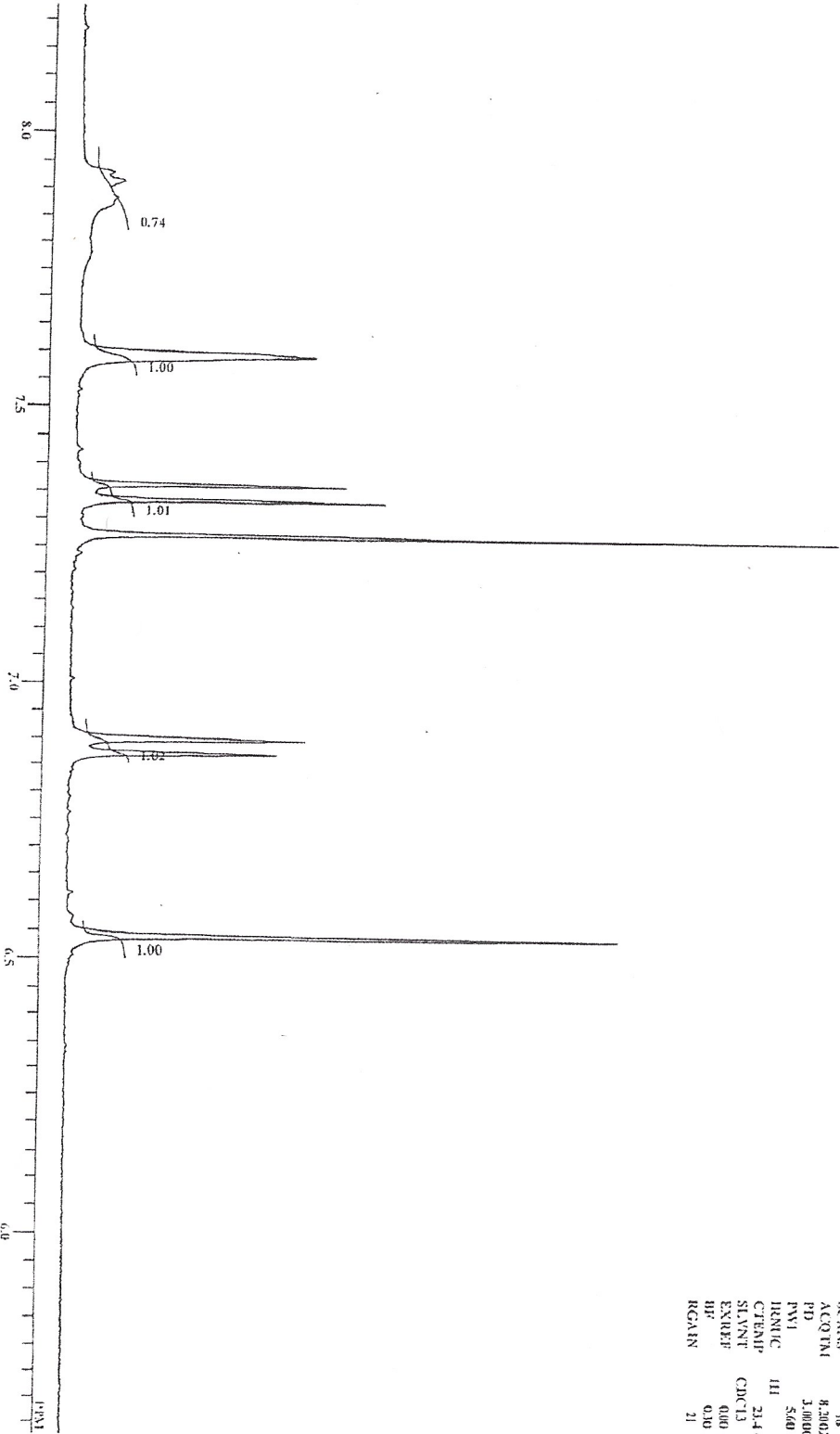


ORIG UC	1H
EXMNO	NON
CHRGD	399.65 MHz
CHSET	124.00 kHz
CHP/N	16500.00 Hz
POINT	65536
PREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.60 usec
IRNIC	1H
CHIMP	73.4 e
SIVNT	0.00 ppm
EXREF	0.30 Hz
RF	21
RGAIN	21



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ICG-13 III NMR CDCl3
 Cat. No.: 06-013
 Product name: Colchicine
 Lot No.: 0406209



ORBITR	III
EXAMOD	NON
OFFSETQ	2%GS MHz
OFFSET	124.00 KHz
OBFIN	10590.00 Hz
POINT	6533.6
ERRQU	7992.01 Hz
SCANS	16
ACQTIME	8.2002 sec
PD	3.0000 sec
PW1	5.60 usec
IRNTIC	III
CTEMP	23.4 c
SOLVENT	CDCl3
EXDEF	400 ppm
HF	0.30 Hz
RGAIN	21