

Supplementary Material

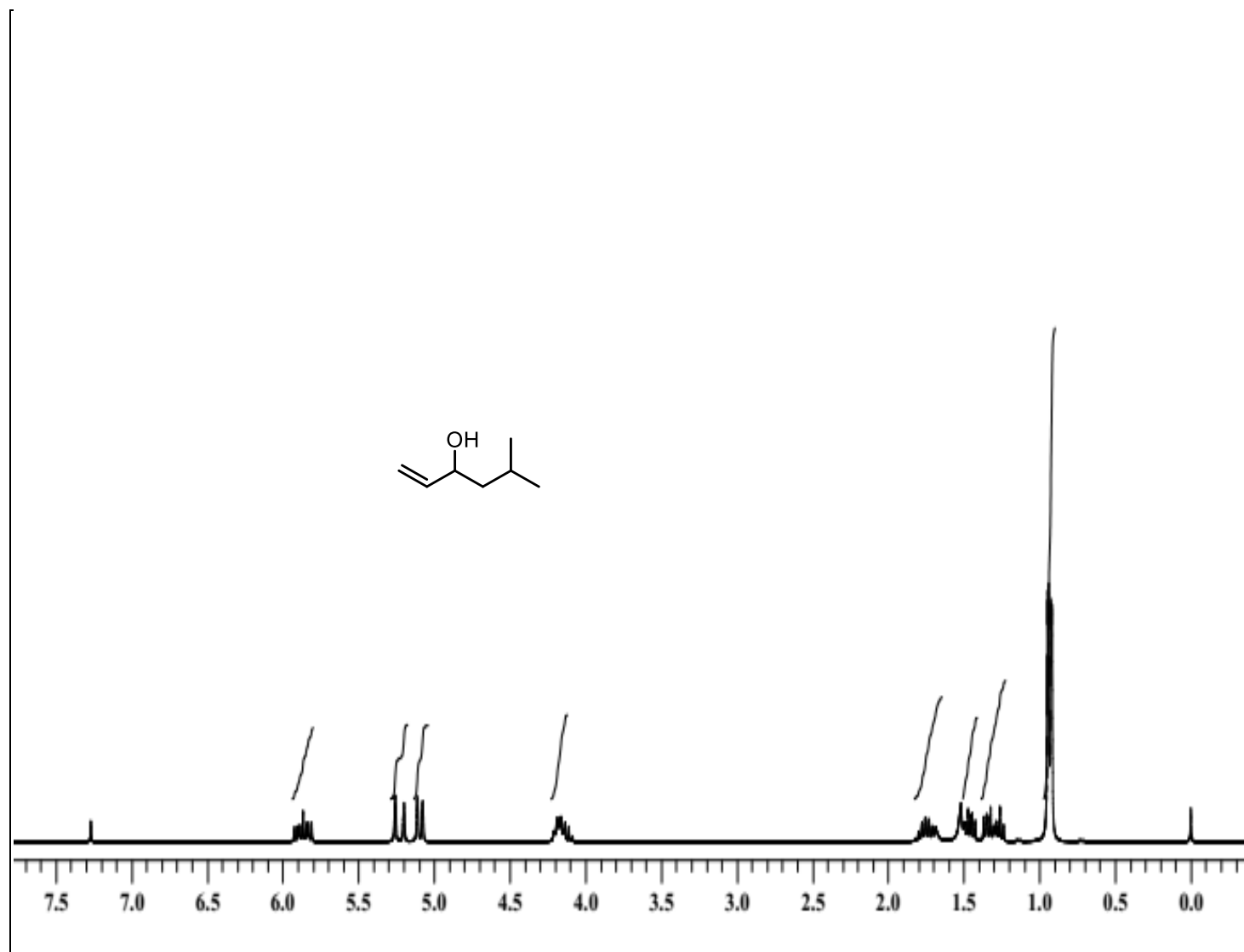
Asymmetric total synthesis of antiviral agents (+)-Sattazolin and (+)-Sattabacin

Karunakar Baikadi, Anil Talakokkula A. Venkat Narsaiah*

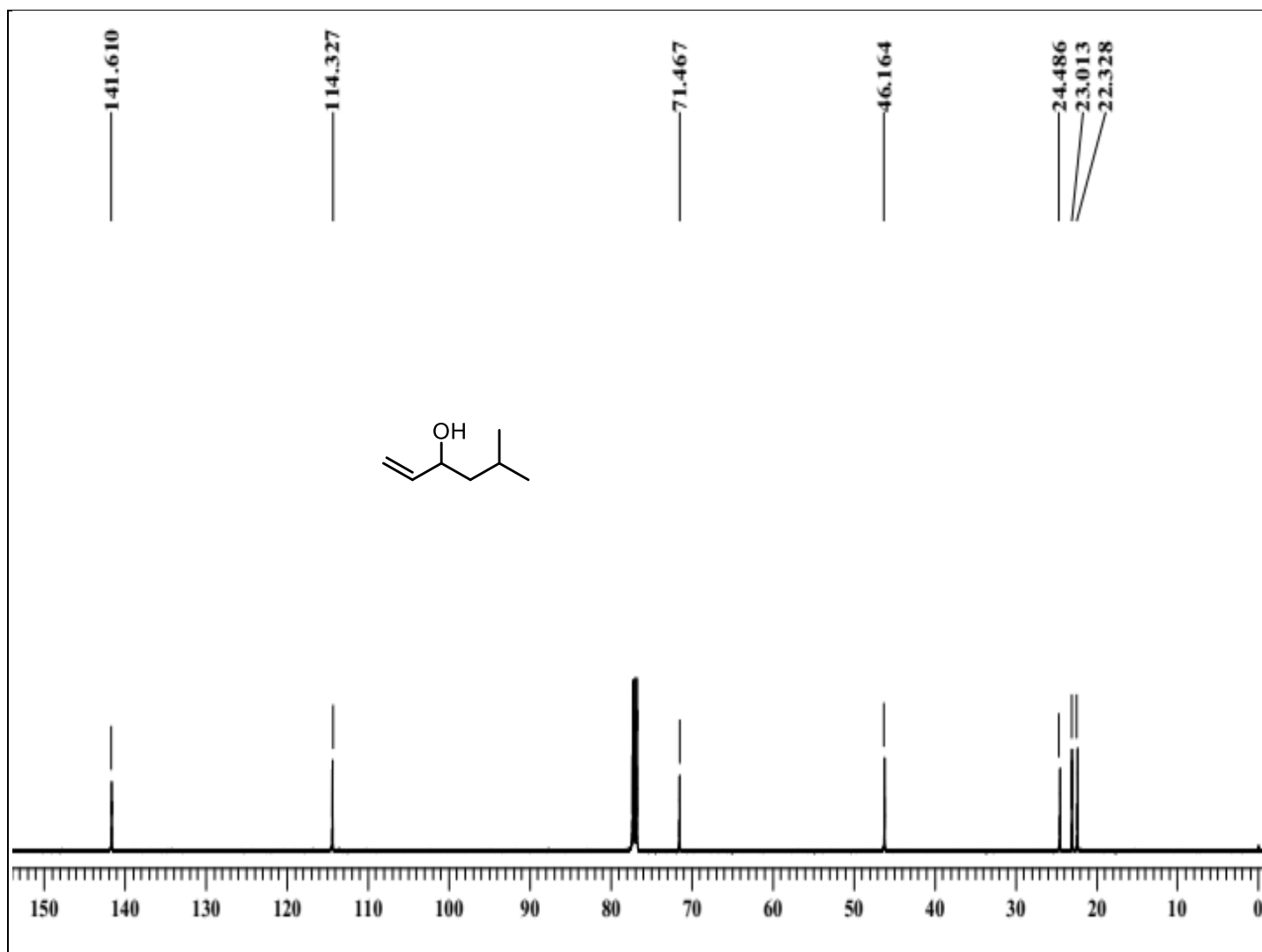
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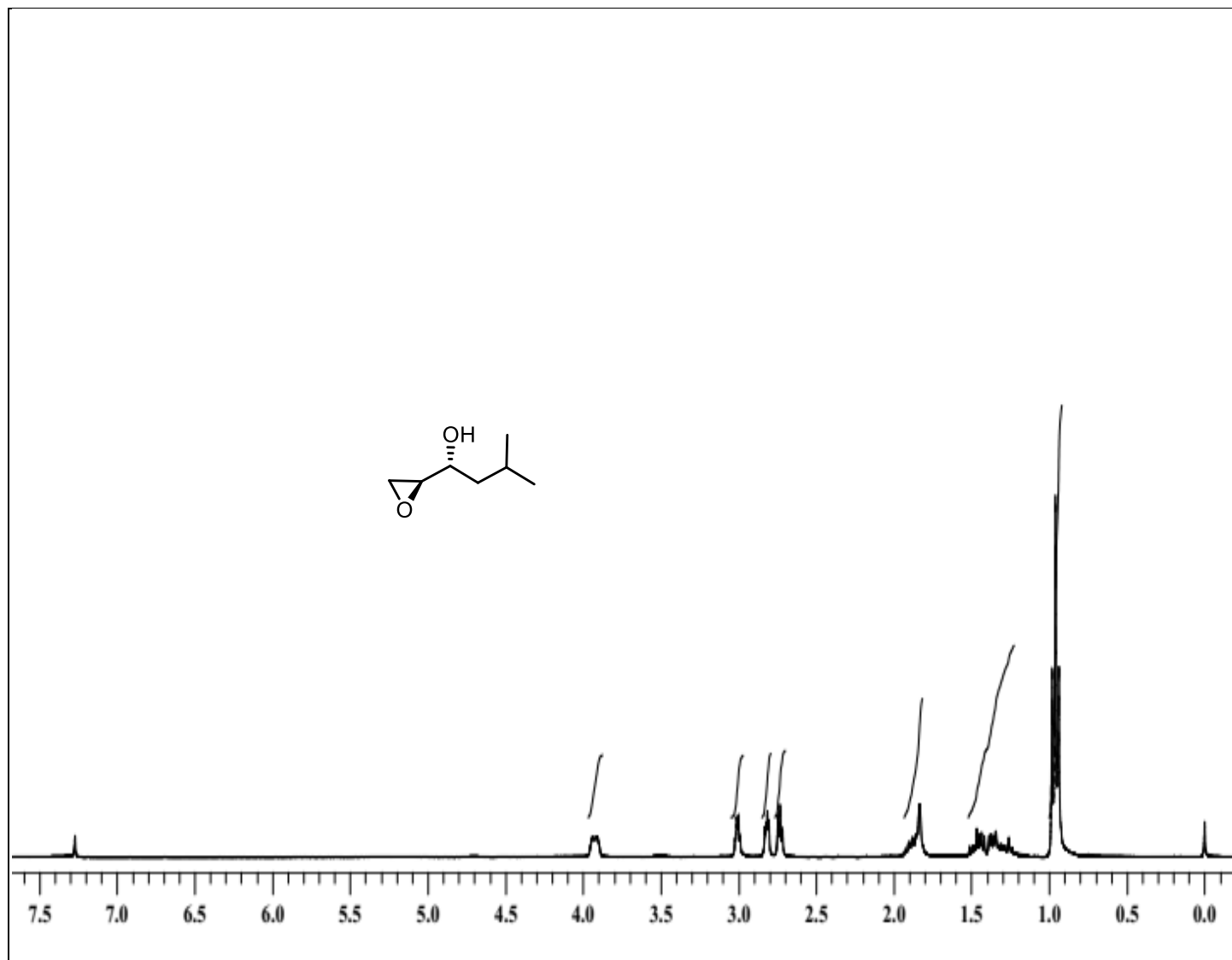
1. ¹ H NMR of compound 4	S2
2. ¹³ C NMR of compound 4	S3
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4. ¹³ C NMR of compound 5	S5
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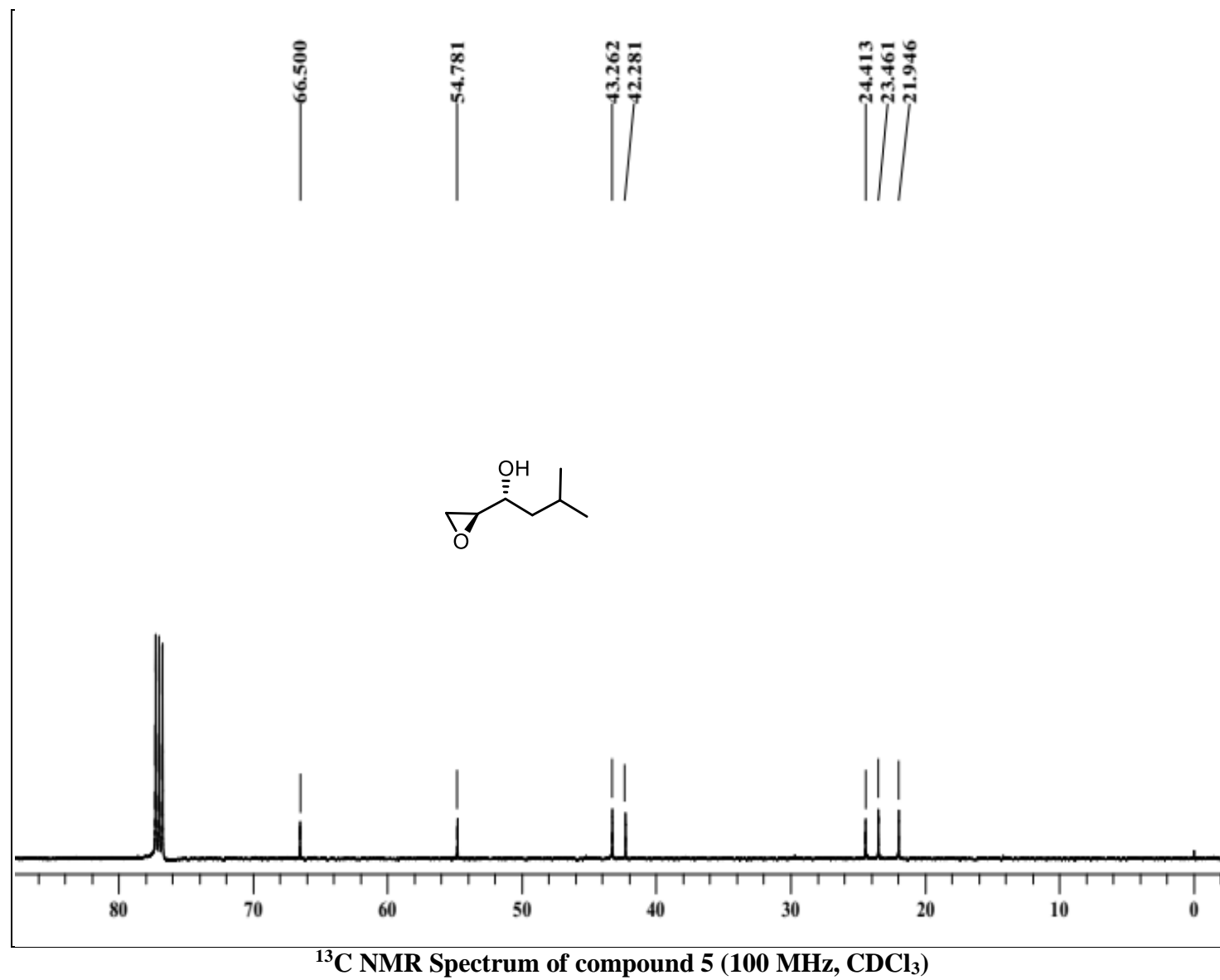
^1H NMR Spectrum of compound 4 (400 MHz, CDCl_3)

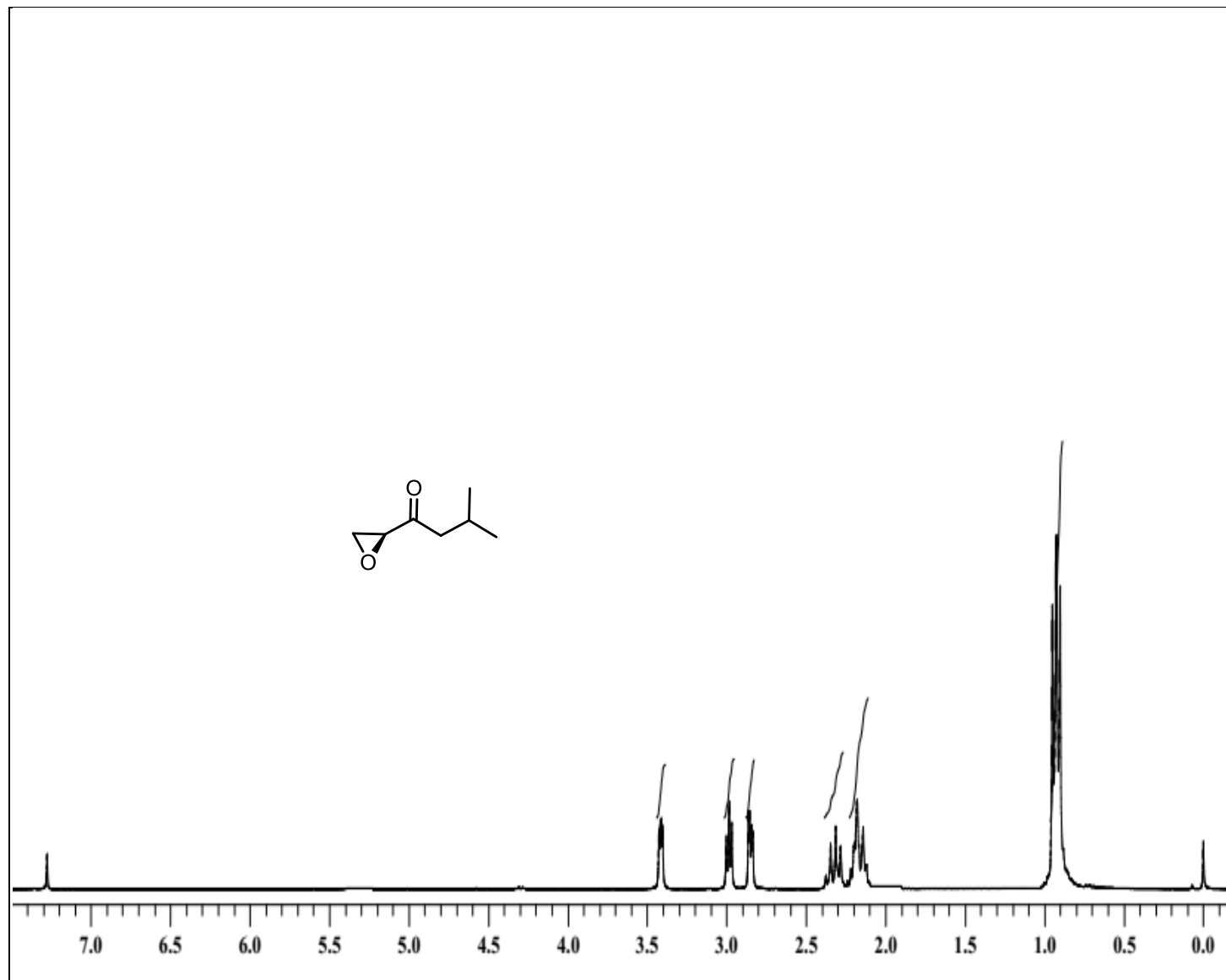


^{13}C NMR Spectrum compound 4 (100 MHz, CDCl_3)

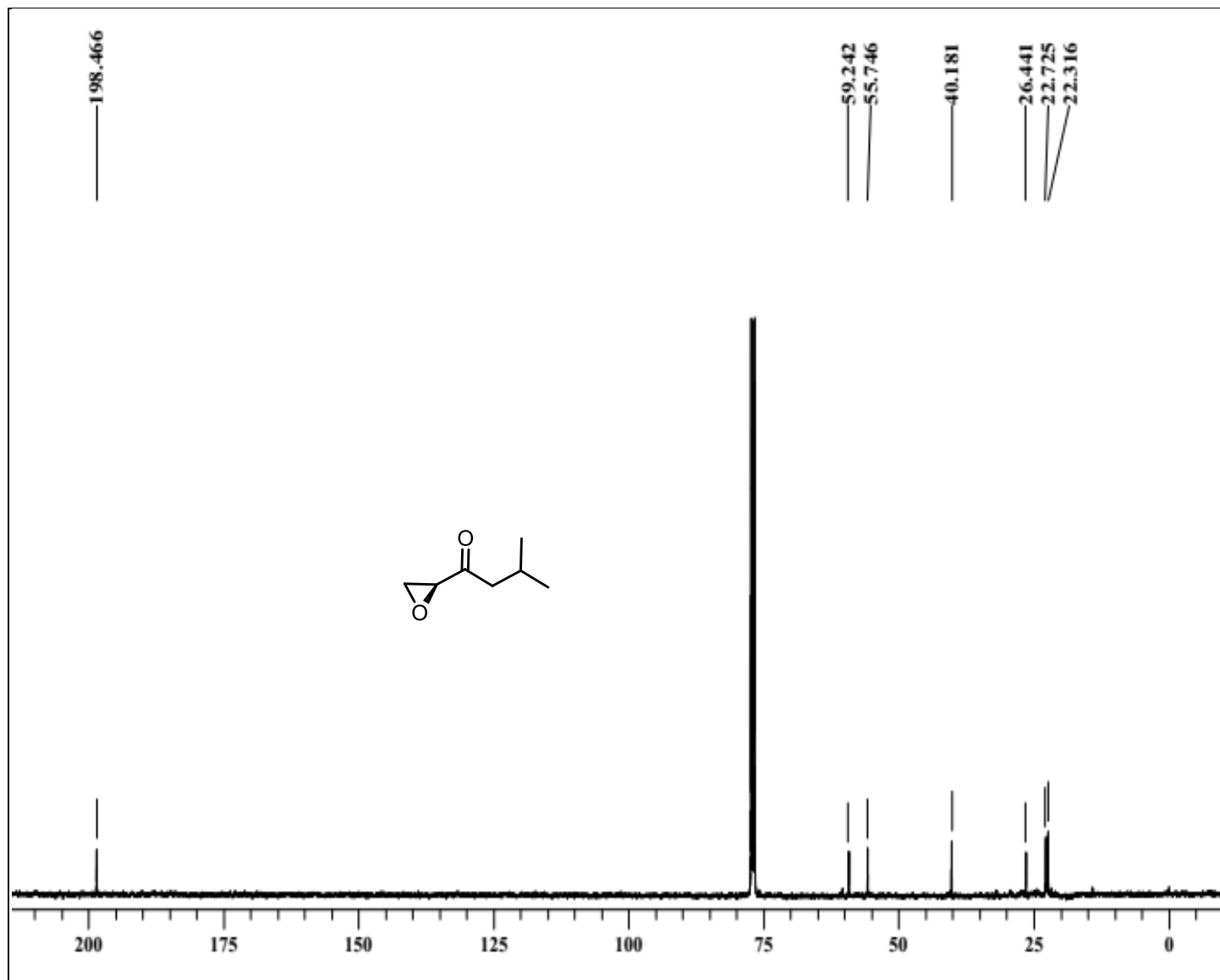


¹H NMR Spectrum of compound 5 (400 MHz, CDCl₃)

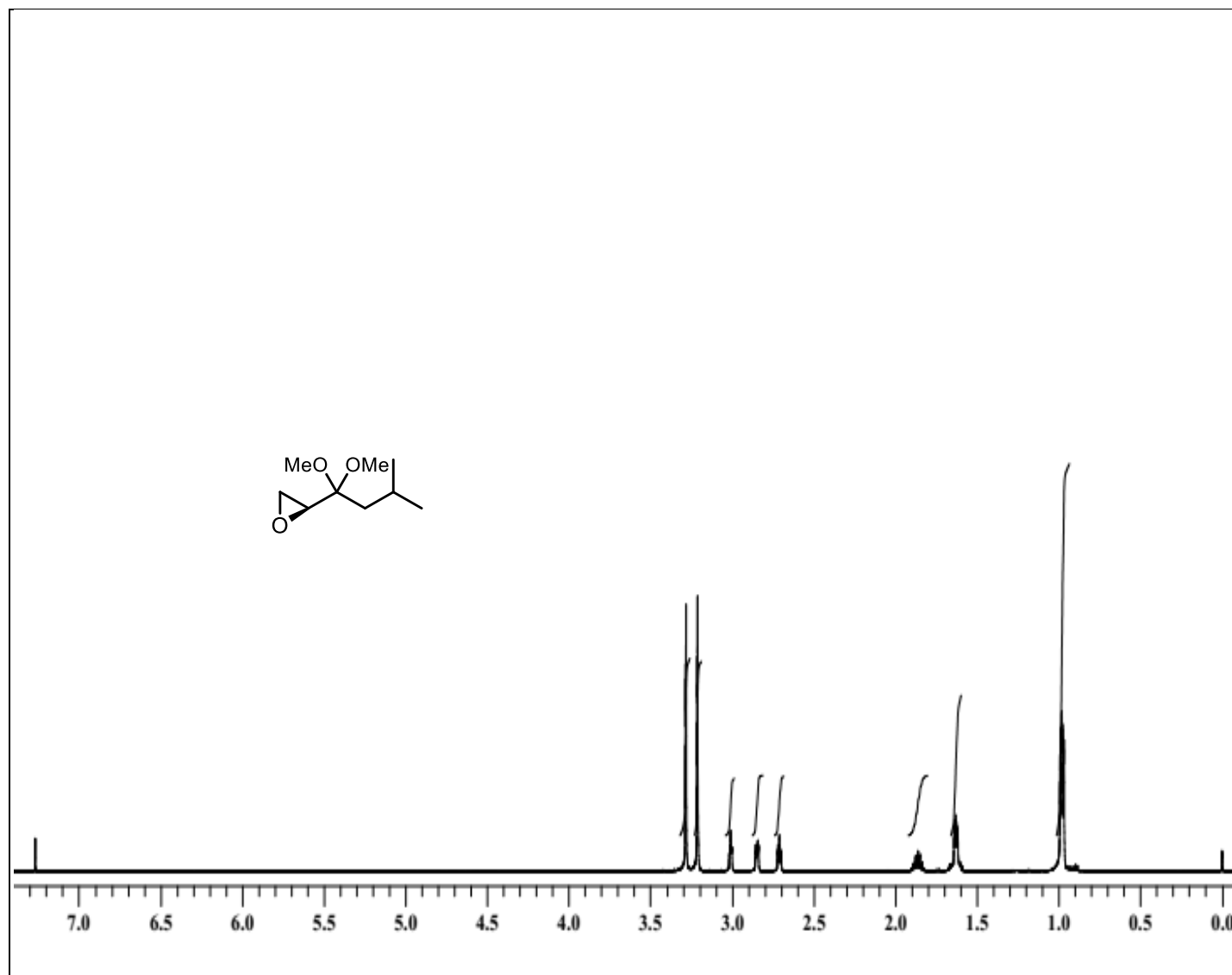




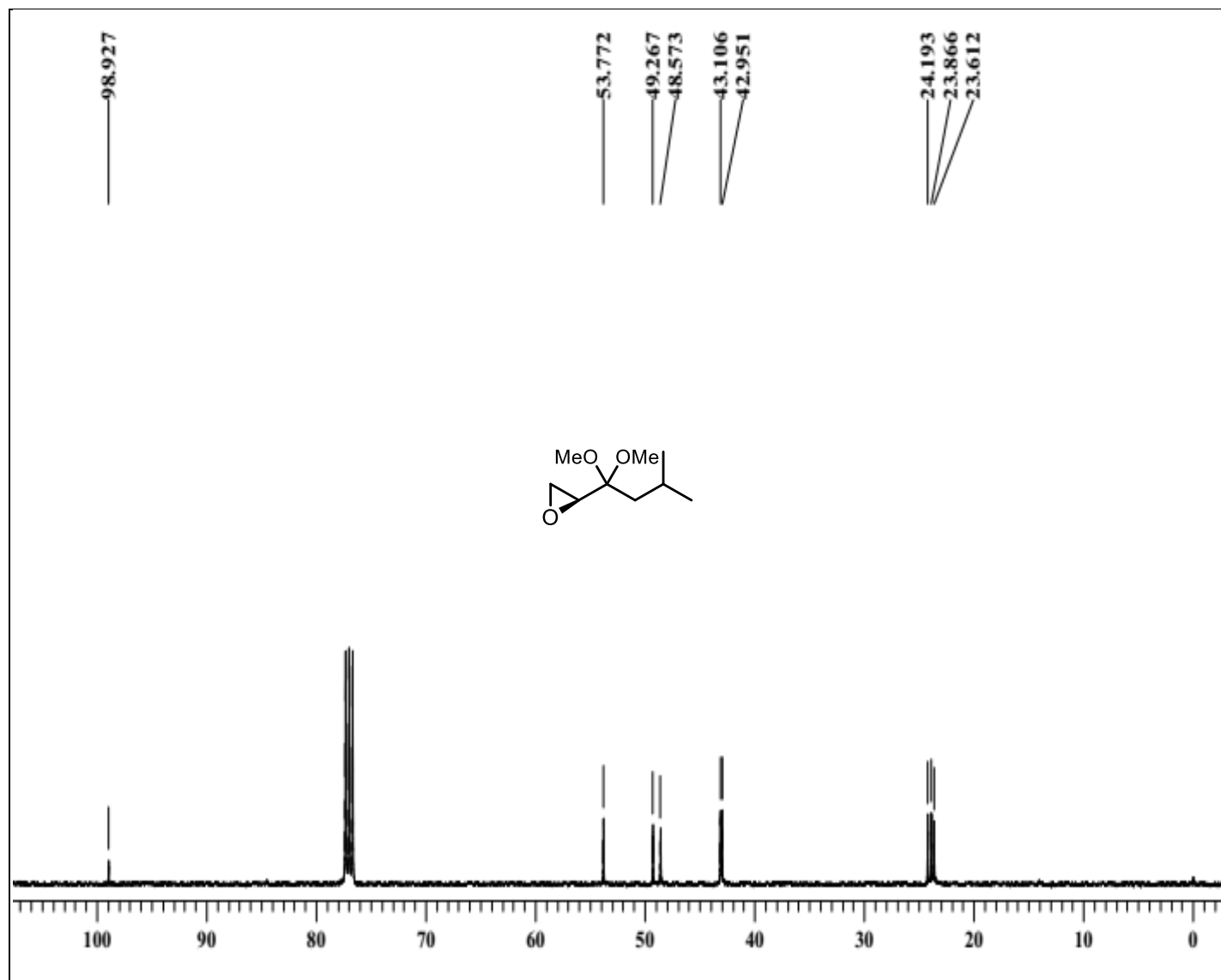
¹H NMR Spectrum of compound 6 (400 MHz, CDCl₃)



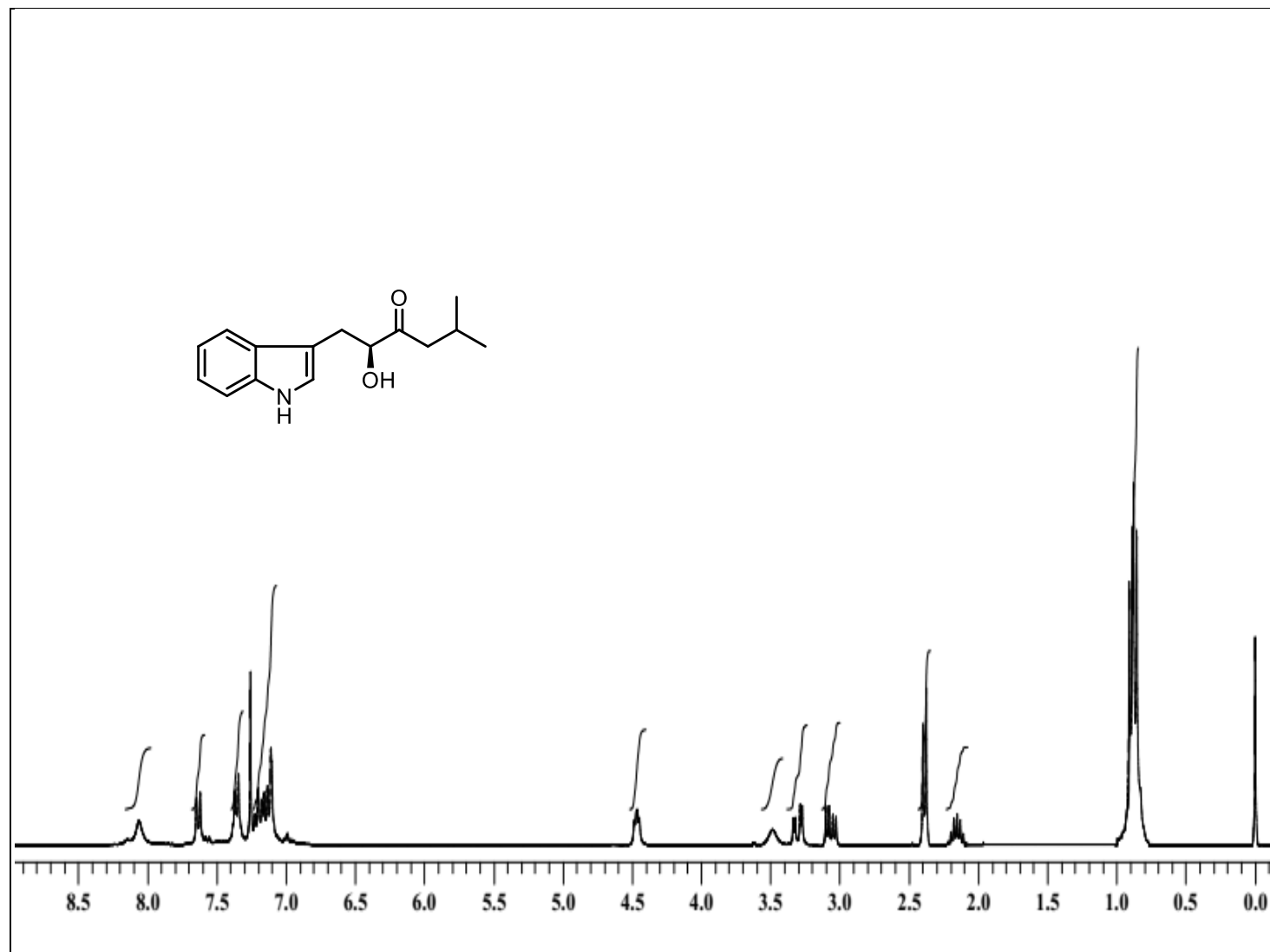
^{13}C NMR Spectrum of compound 6 (100 MHz, CDCl_3)



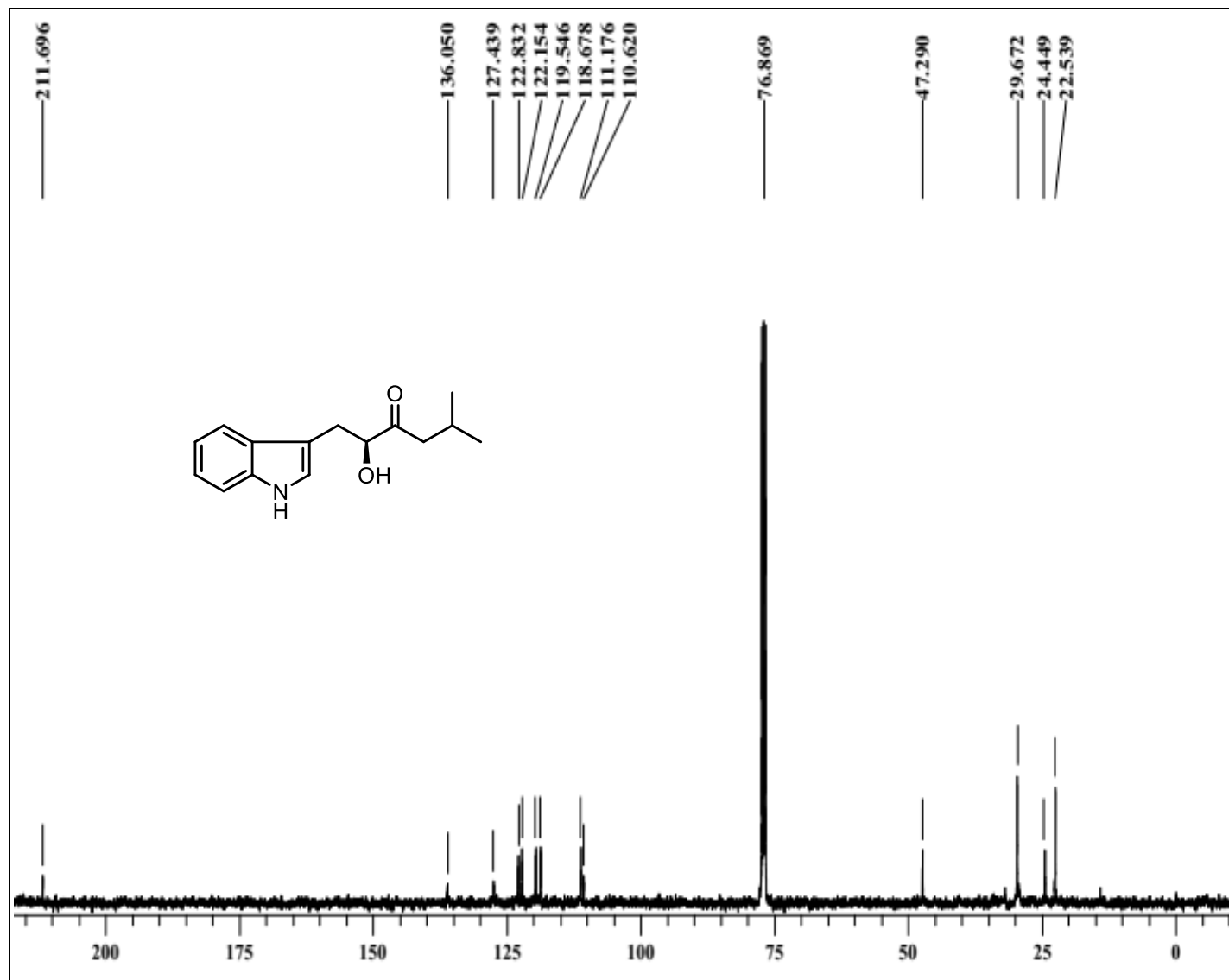
¹H NMR Spectrum of compound 7 (400 MHz, CDCl₃)



^{13}C NMR Spectrum of compound 7 (100 MHz, CDCl_3)



¹H NMR Spectrum of compound 1 (400 MHz, CDCl₃)

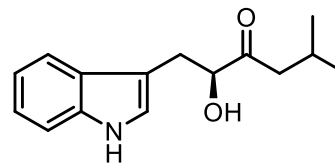


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==== Shimadzu LCsolution Analysis Report ====

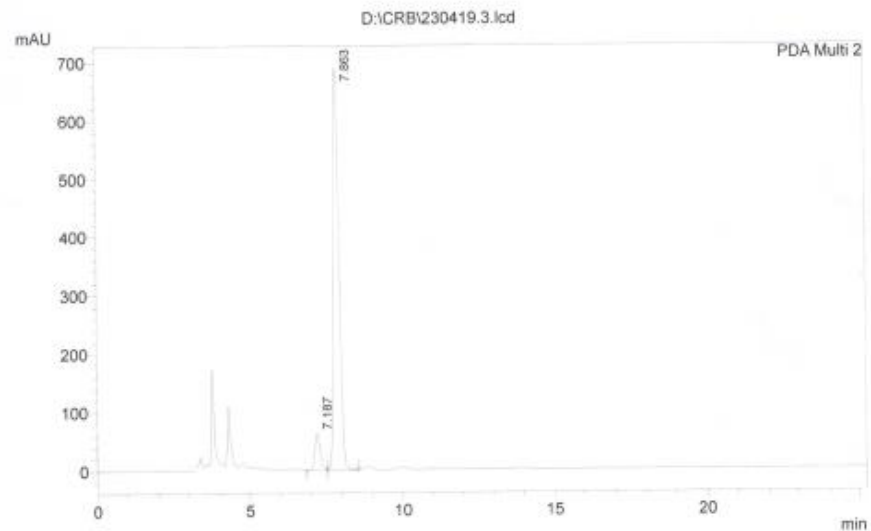
D:\CRB\230419.3.lcd

Acquired by : Manjula
 Sample Name : AVN-VSATZOLIN
 Sample ID : AVN-VSATZOLIN
 Tray# : 1
 Vial # : 48
 Injection Volume : 5 uL
 Data File Name : 230419.3.lcd
 Method File Name : 230419.lcm
 Batch File Name :
 Report File Name : Default.lcr
 Data Acquired : 4/23/2019 11:53:48 AM
 Data Processed : 4/23/2019 12:19:05 PM
 COLUMN: CHIRAL PAK IC 250X4.6mm 5u
 MOBILE PHASE : 20% IPA IN HEXANE
 FLOW RATE: 1ml/min



FLOW RATE : 1ml/min

<Chromatogram>



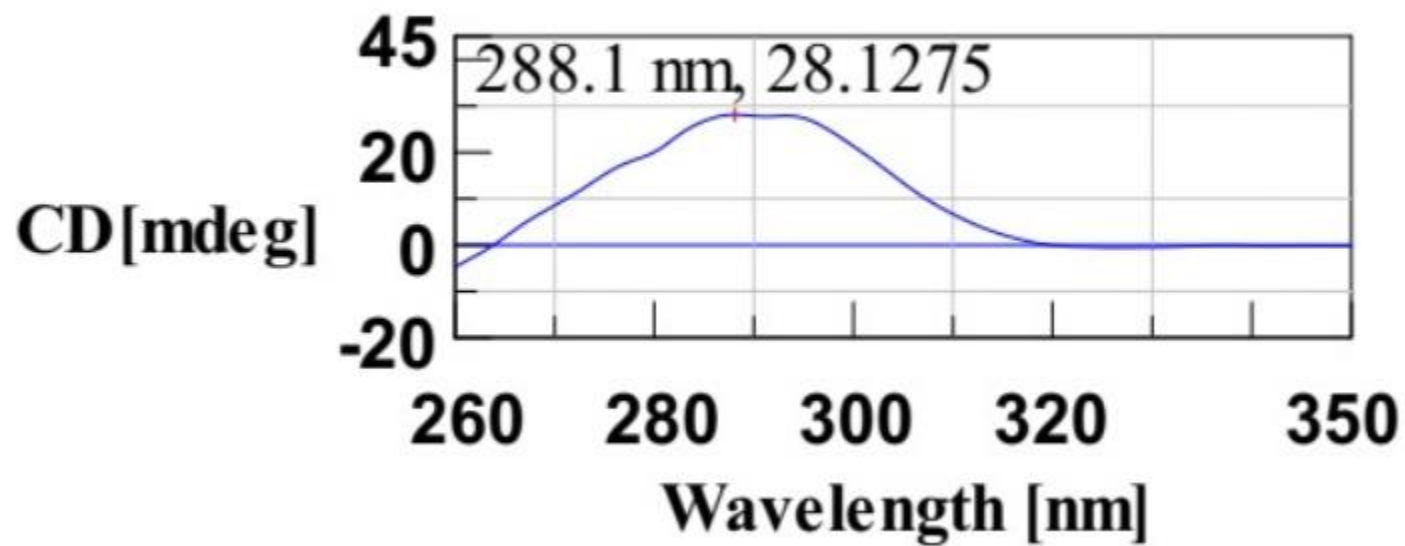
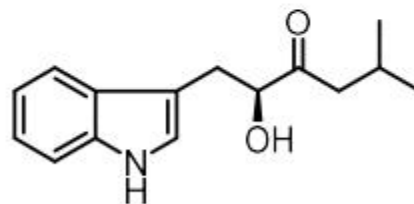
1 PDA Multi 2/225nm 4nm

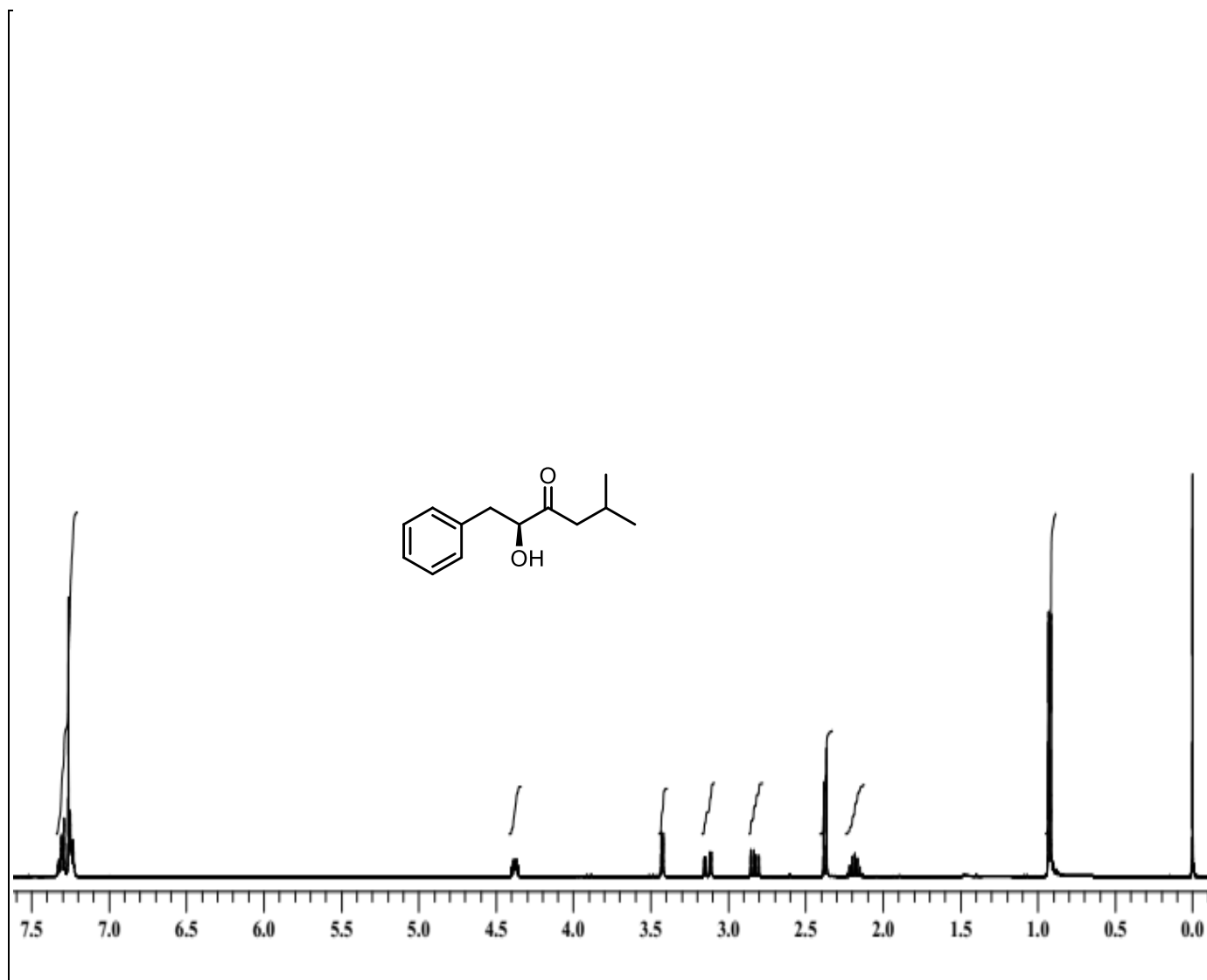
PeakTable

PDA Ch2 225nm 4nm

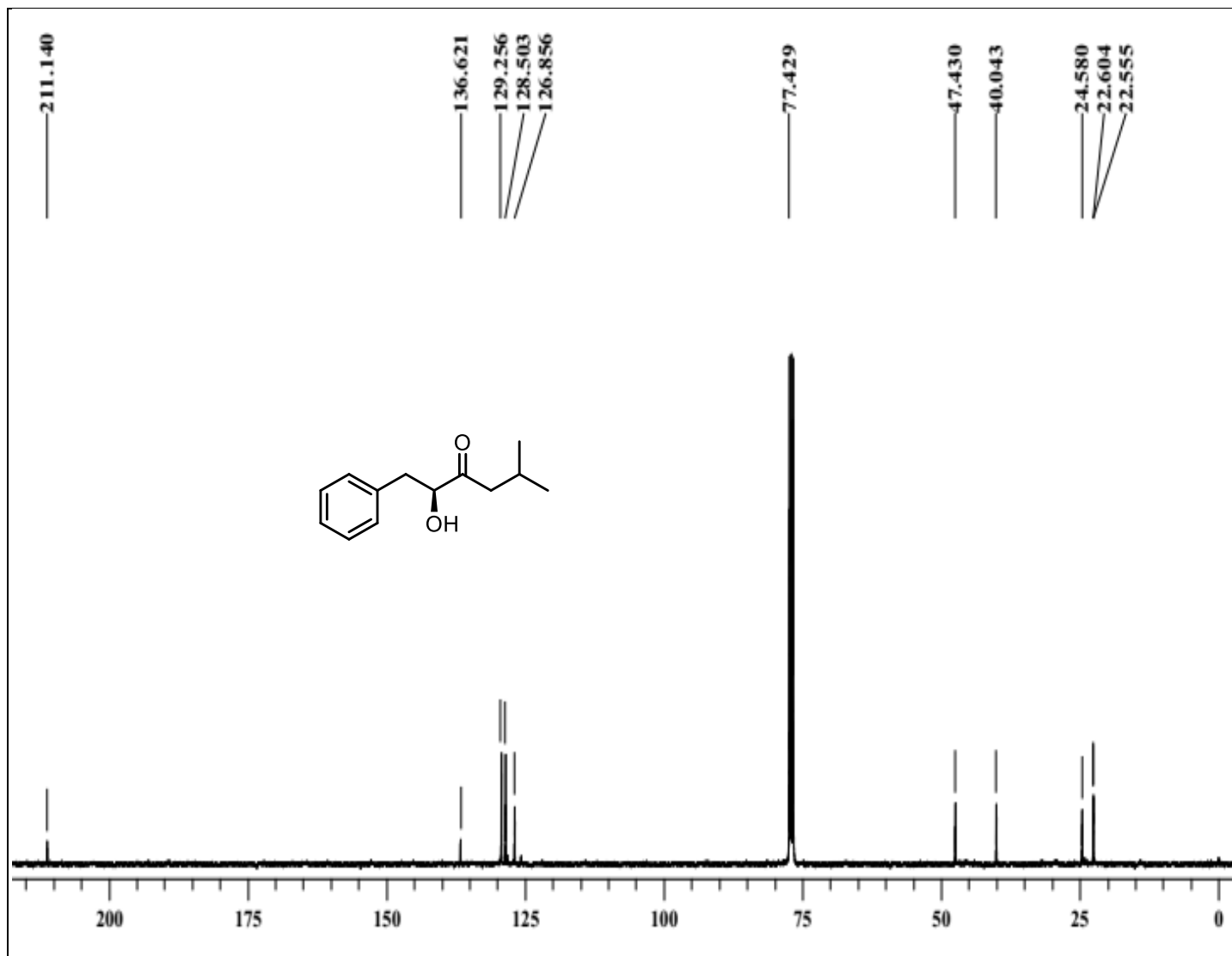
Peak#	Ret. Time	Area	Height	Area %	Height %
1	7.187	729649	62923	7.805	8.389
2	7.863	8619068	687154	92.195	91.611
Total		9348717	750077	100.000	100.000

Compound 1: CD Spectrum (Sattazolin)





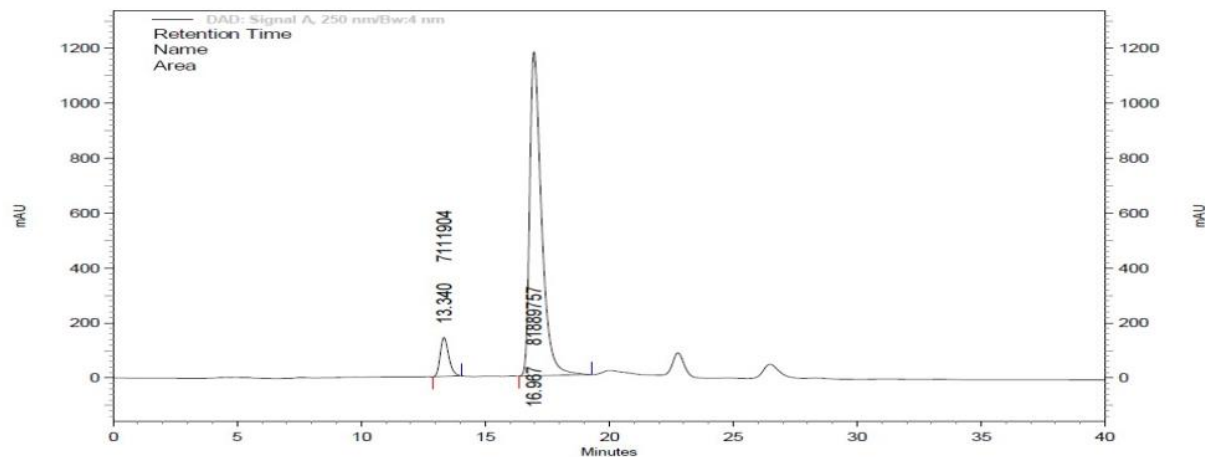
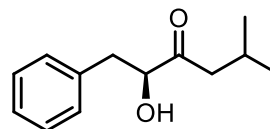
^1H NMR Spectrum of compound 2 (400 MHz, CDCl_3)



^{13}C NMR Spectrum of compound 2 (100 MHz, CDCl_3)

INDIAN INSTITUTE OF CHEMICAL TECHNOLOGY OBC DIVISION

Acquired by : Rathan Lal. B
 Sample Name : AVN-VSATB
 Sample ID : Chiral
 Data File name : AVN-3.lcd
 Method Filename : rathan. Lcm
 Data Acquired : 13/05/2019



**DAD: Signal A,
250 nm/Bw:4 nm
Results**

Retention Time	Area	Area %	Height	Height %
13.340	7111904	7.99	296614	10.71
16.967	81889757	92.01	2472602	89.29
Totals	89001661	100.00	2769216	100.00

Compound 2: CD Spectrum (Sattabacin)