Supporting Information

Total Synthesis of the Natural Product EBC-329

Raju S. Thombal and Vrushali H. Jadhav *

Division of Organic Chemistry, National Chemical Laboratory (CSIR-NCL), Pune-411008, India.

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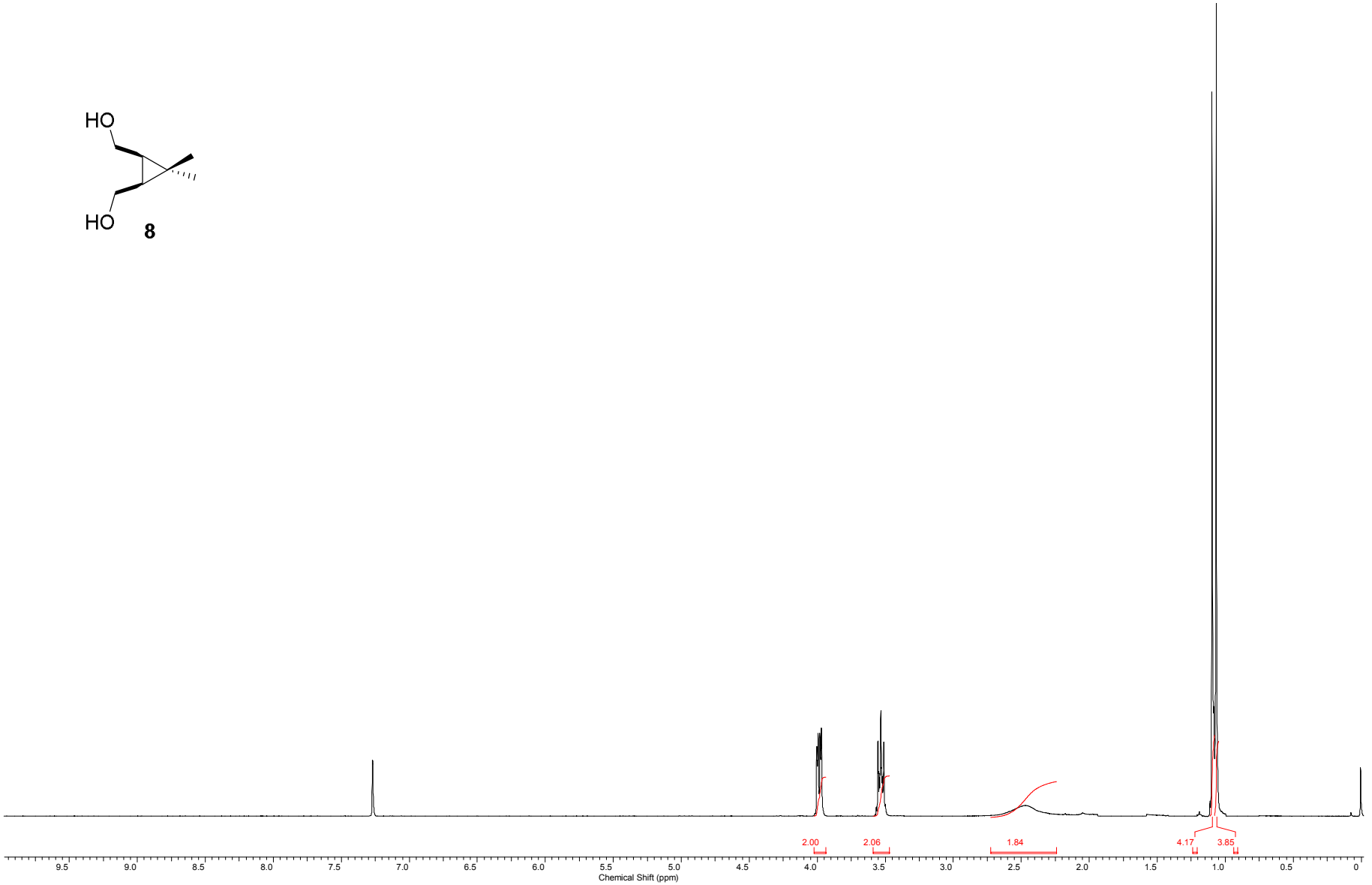
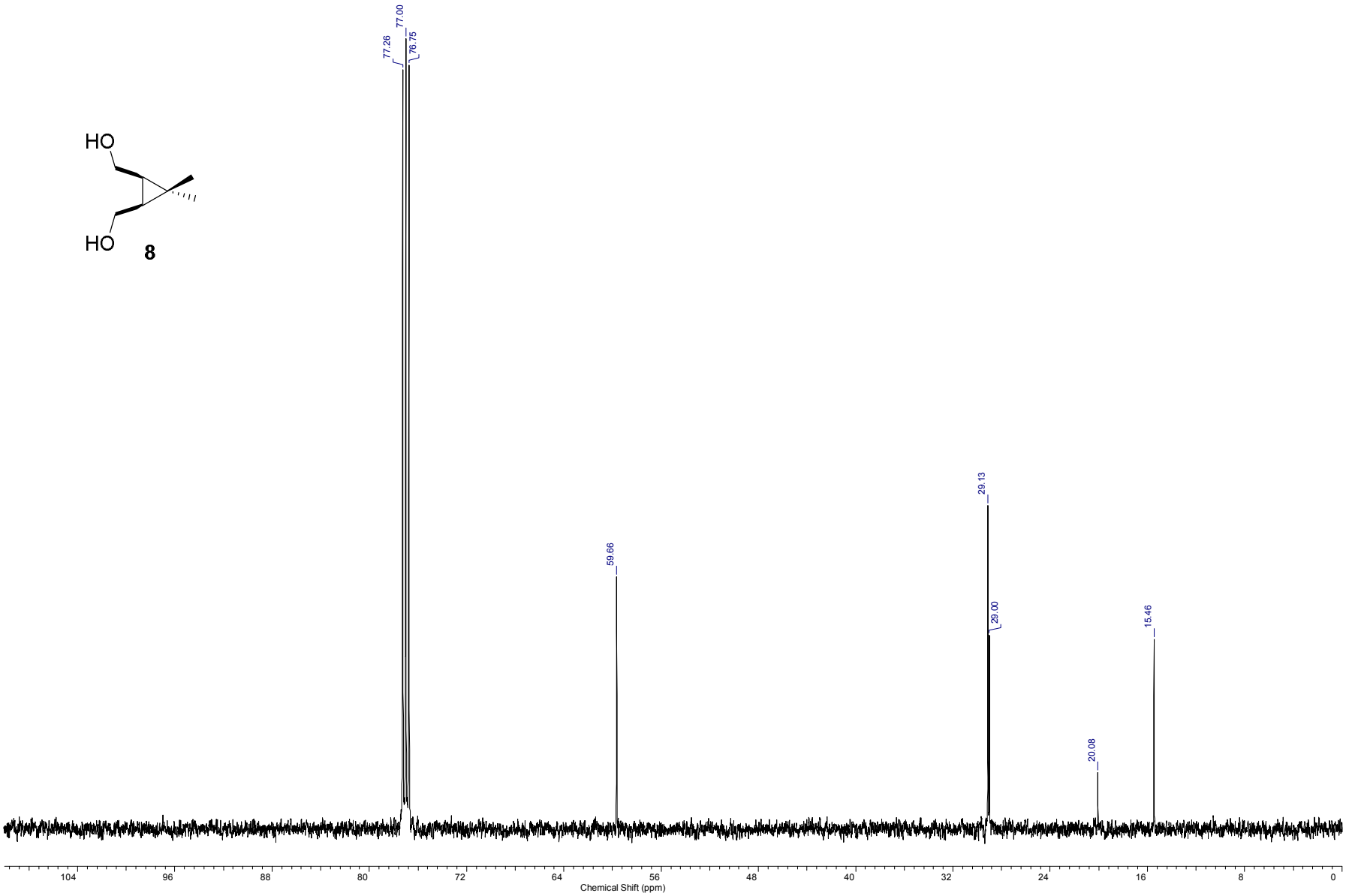
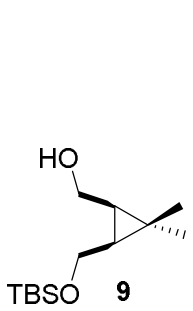


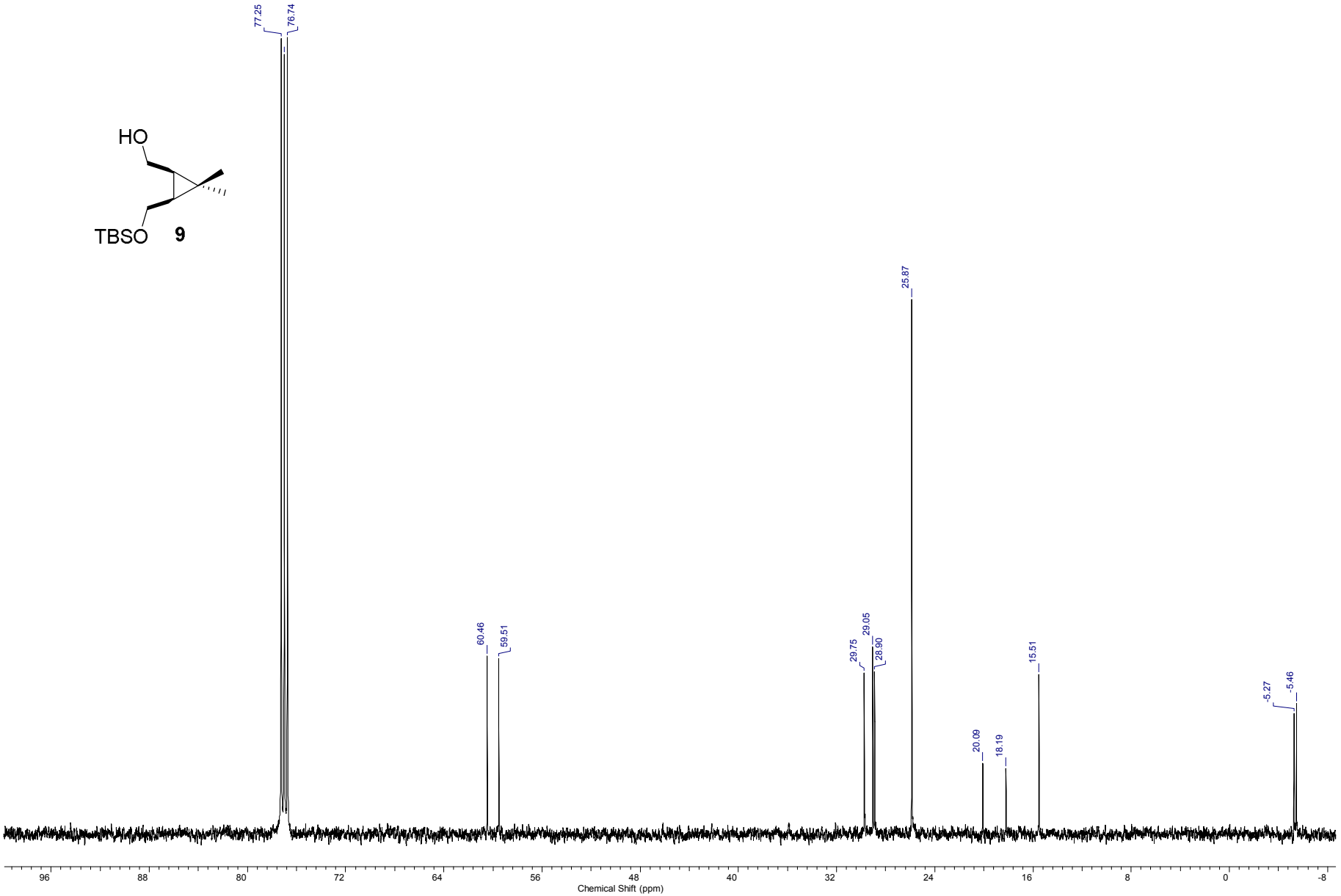
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **8**



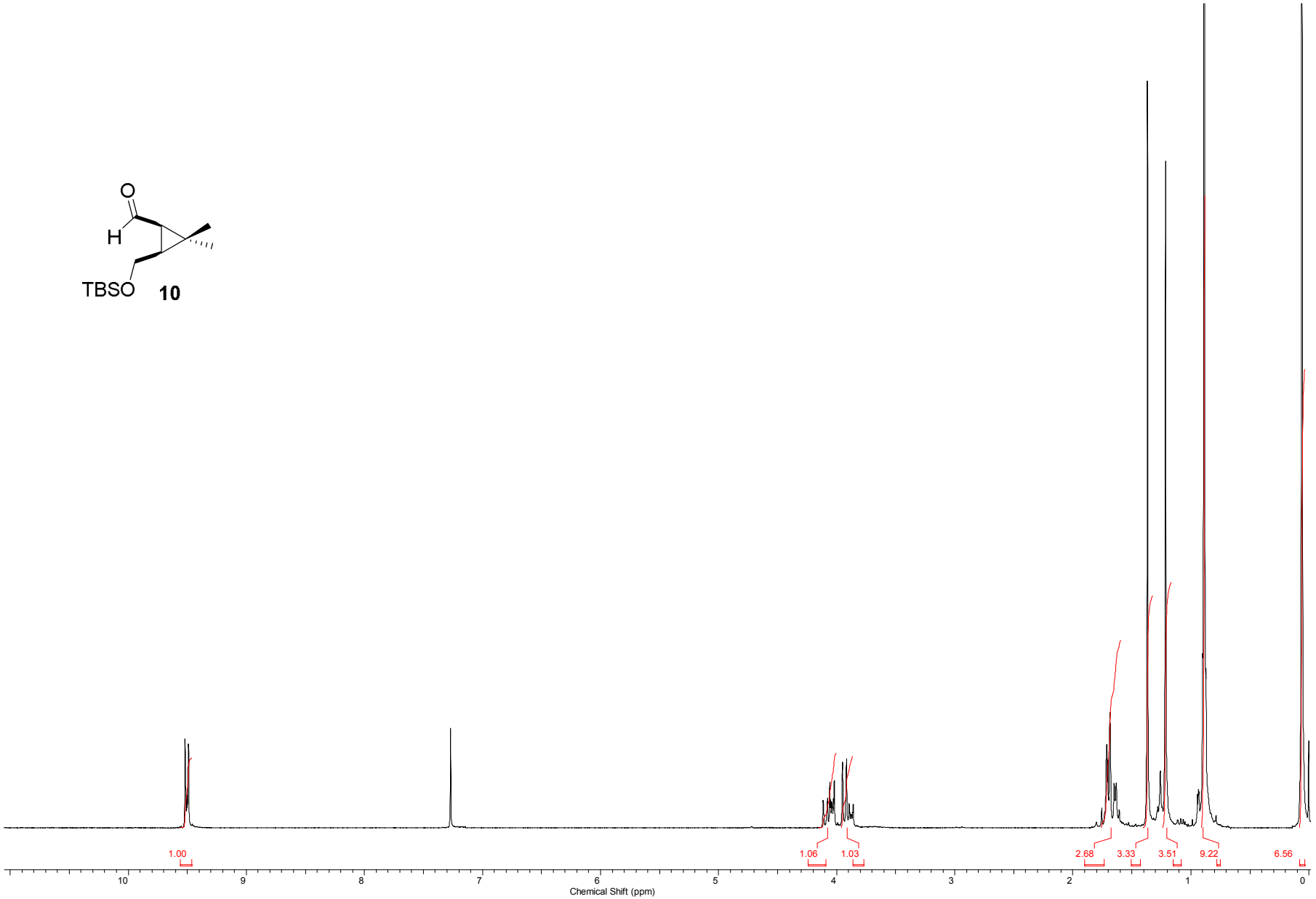
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **8**



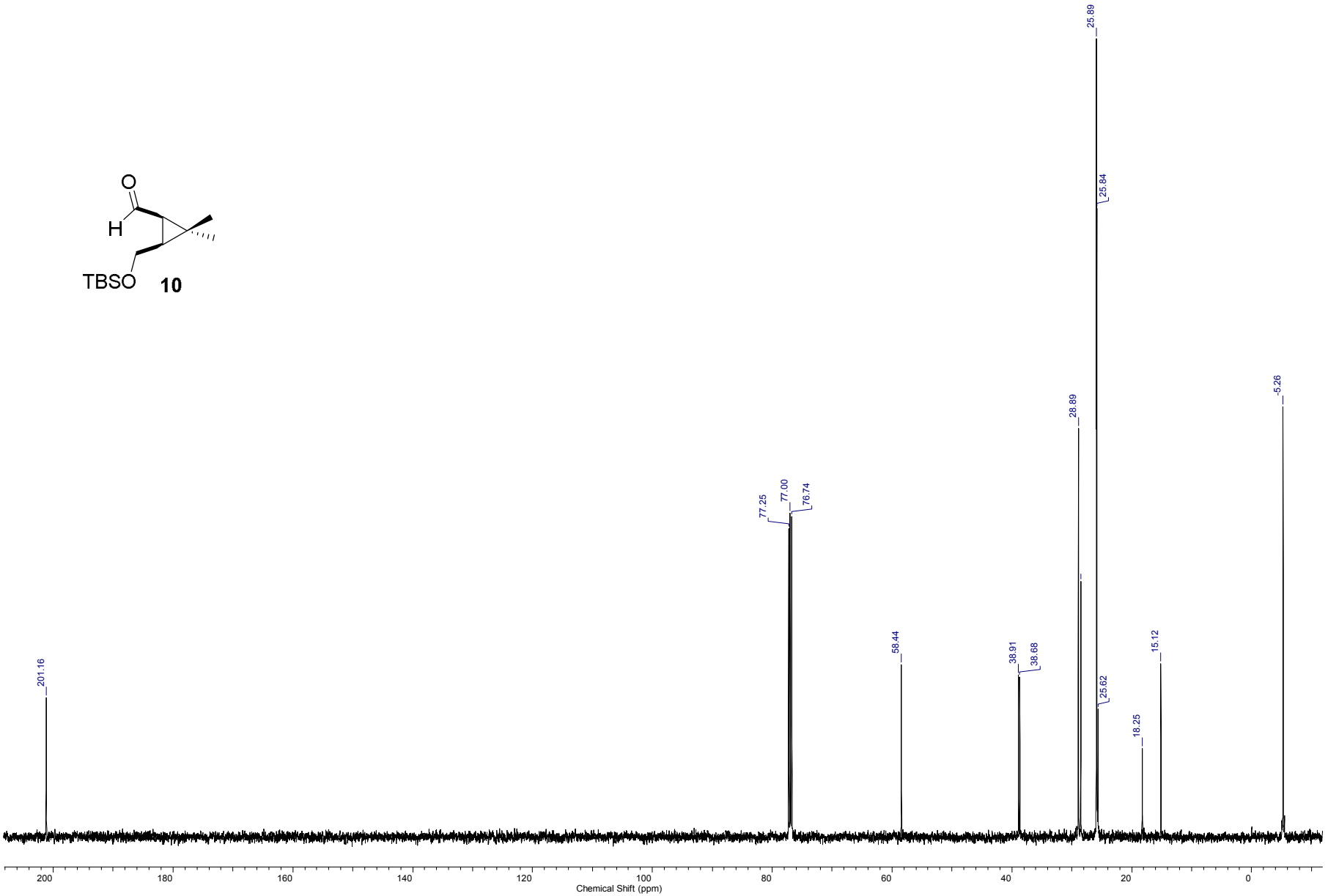
^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **9**



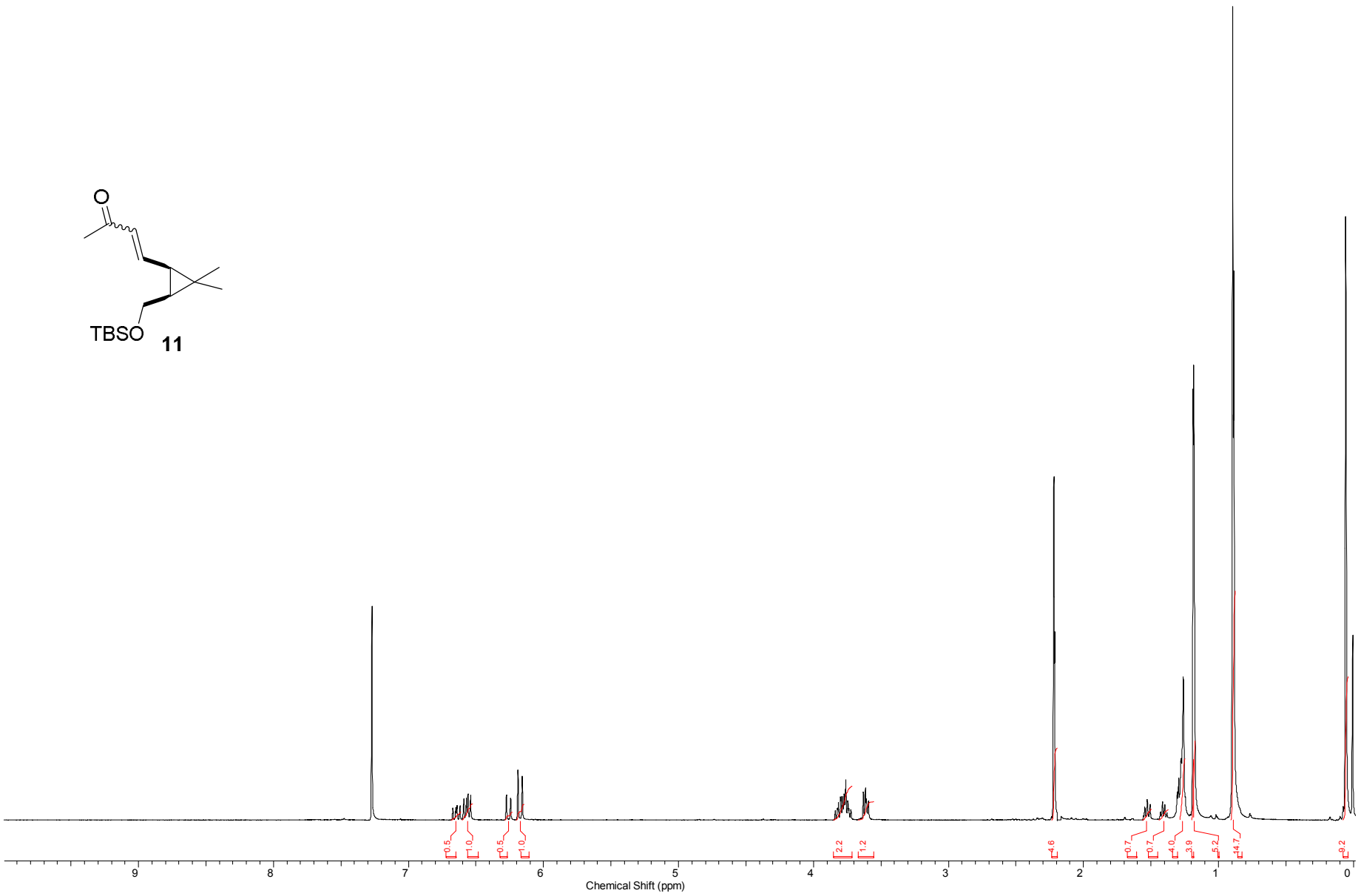
^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **9**



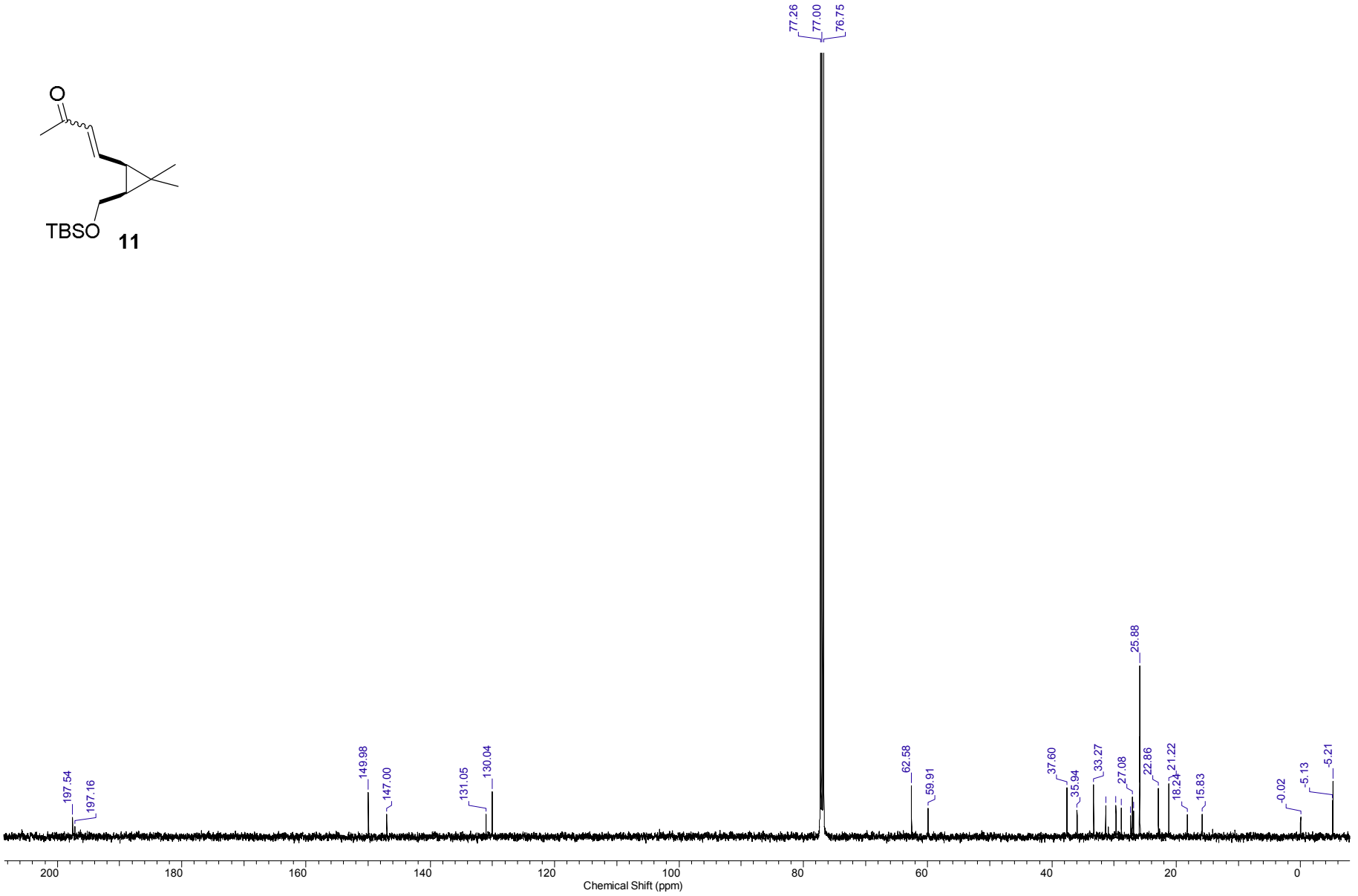
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **10**



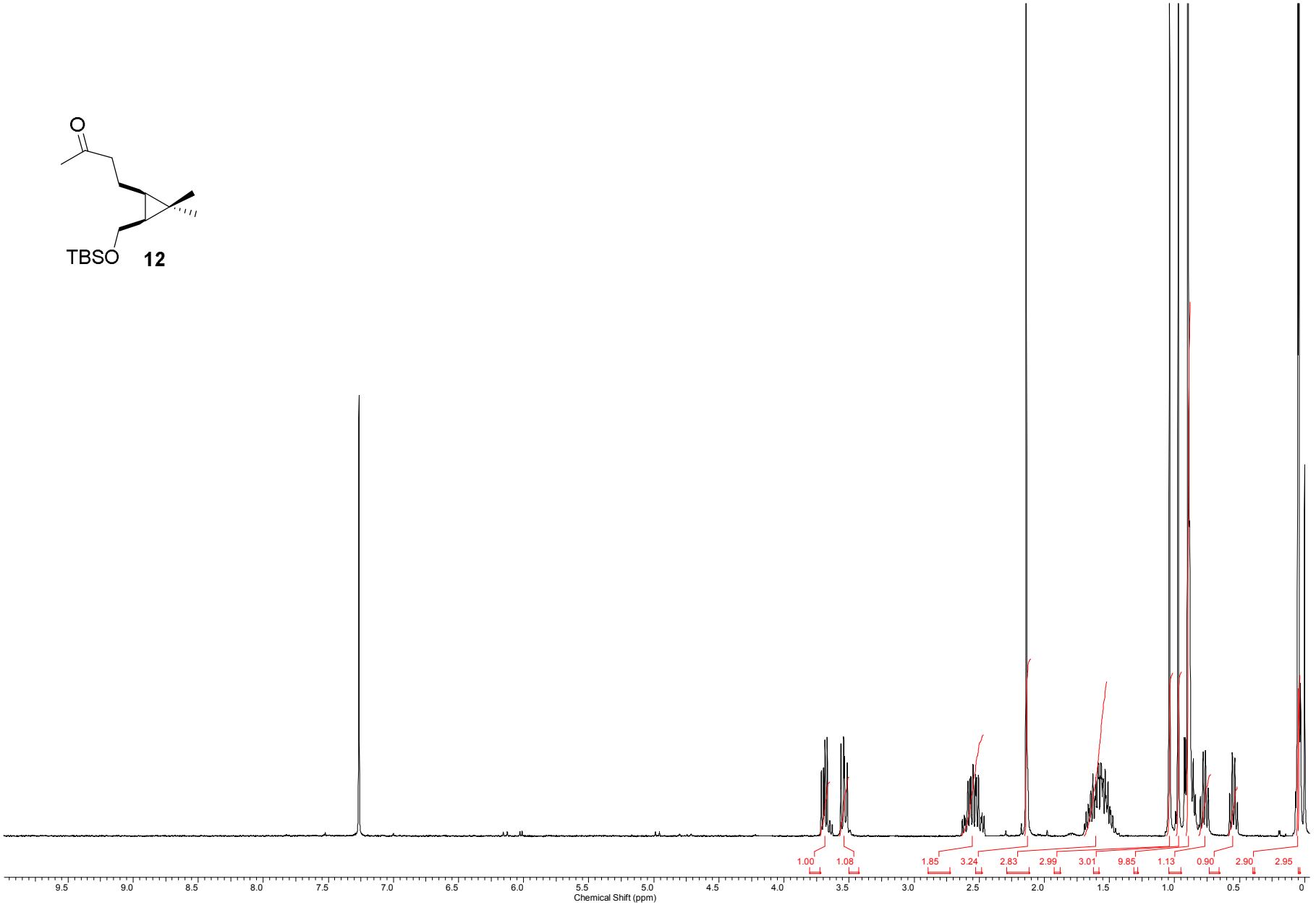
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **10**



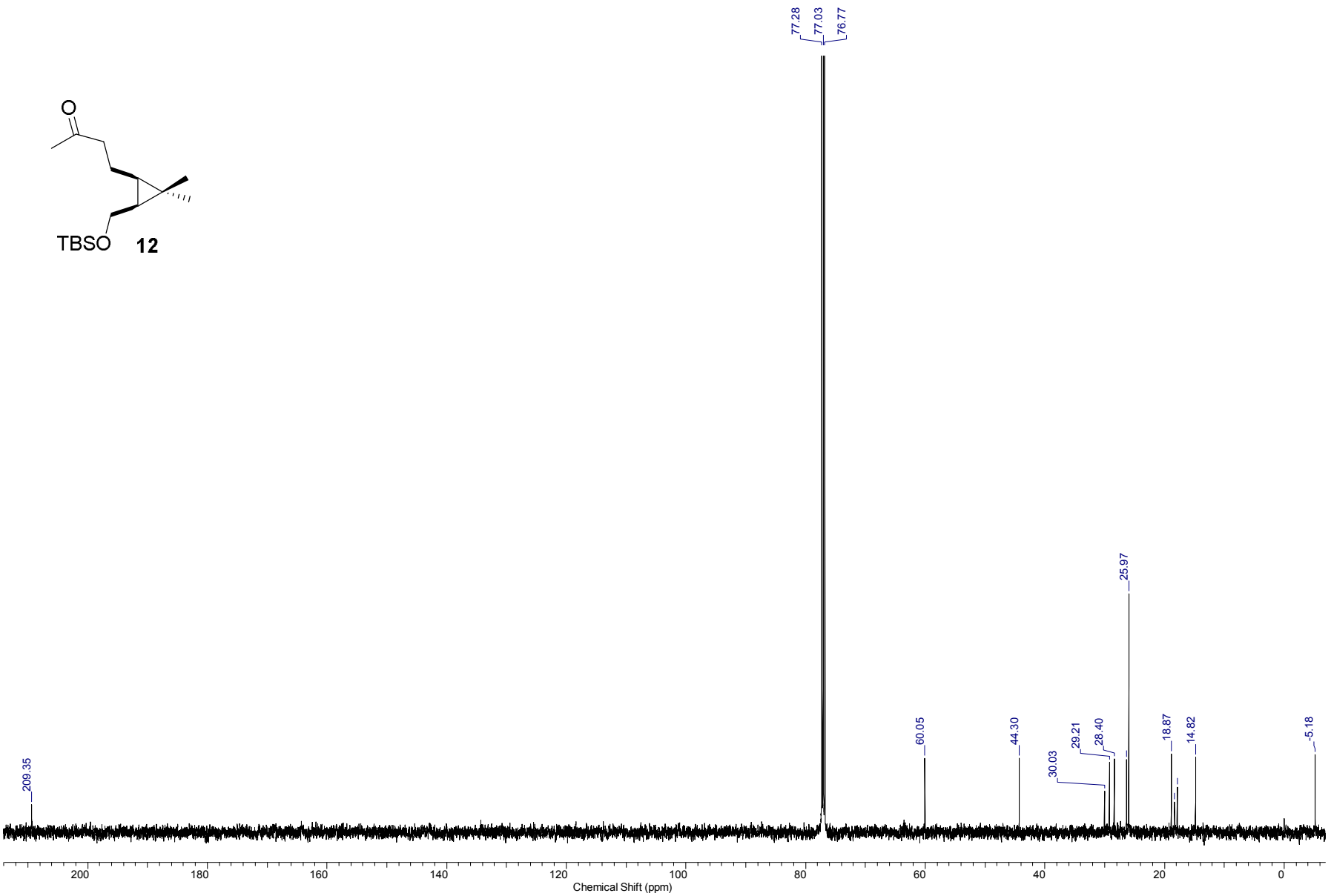
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **11**



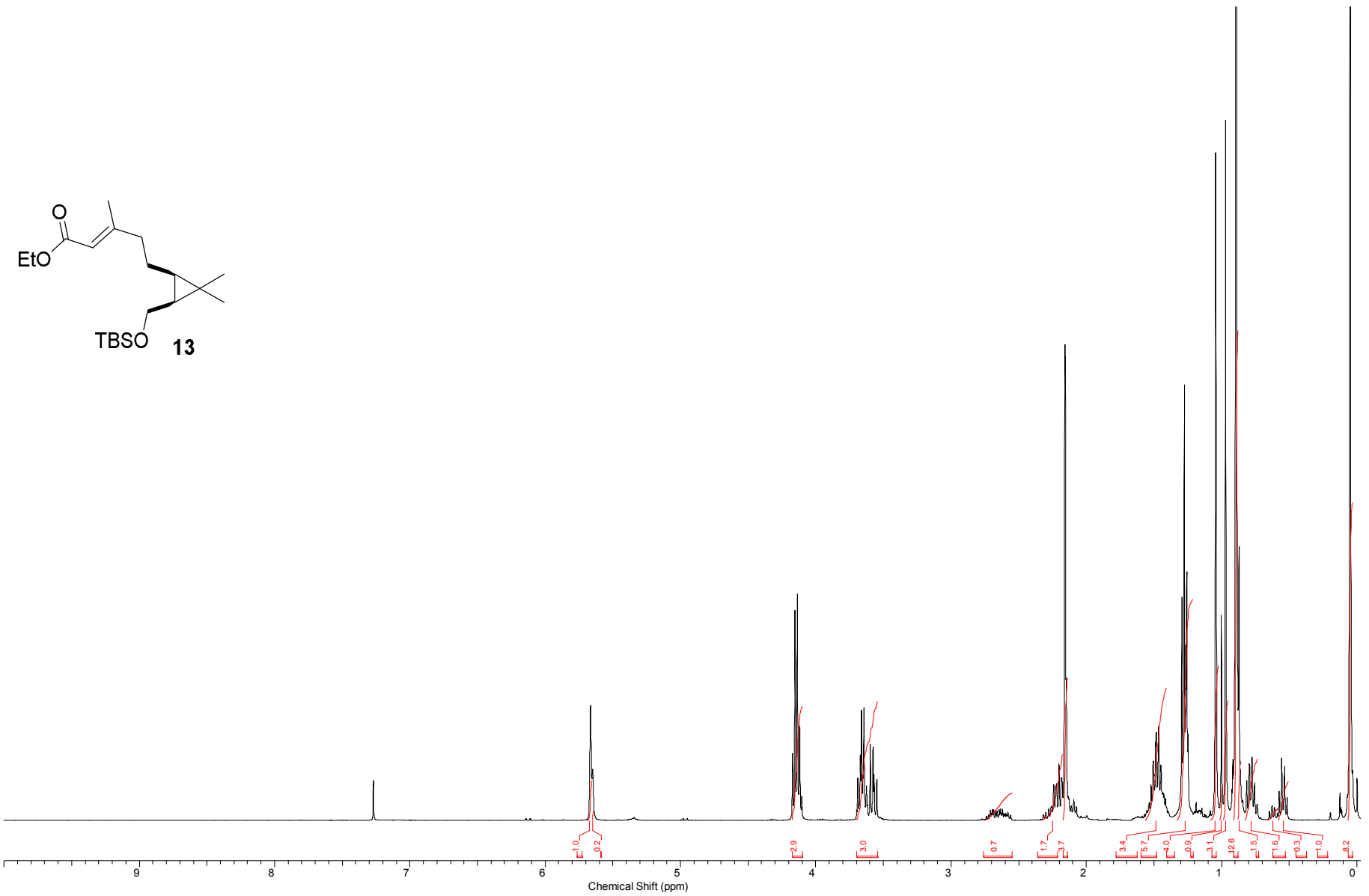
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **11**



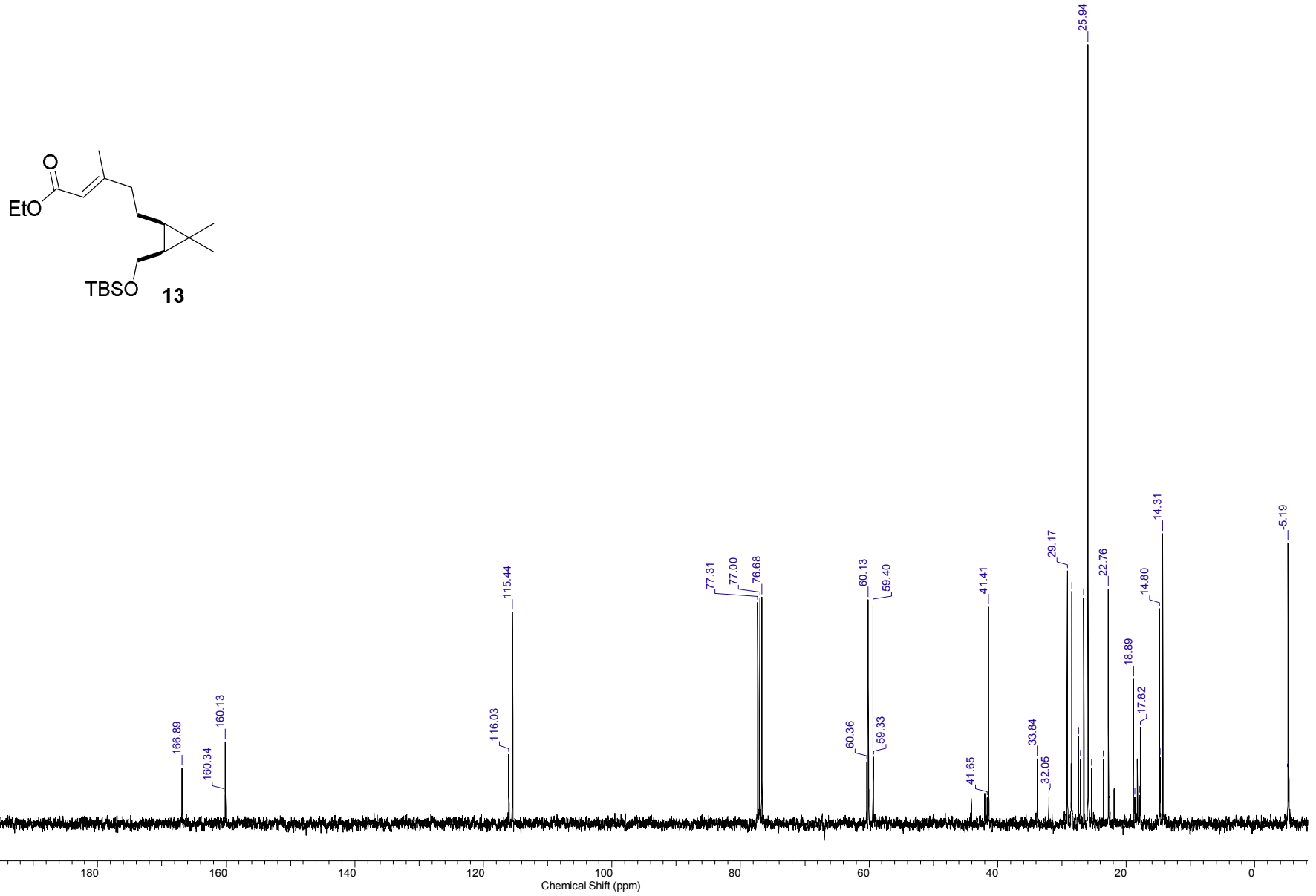
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **12**



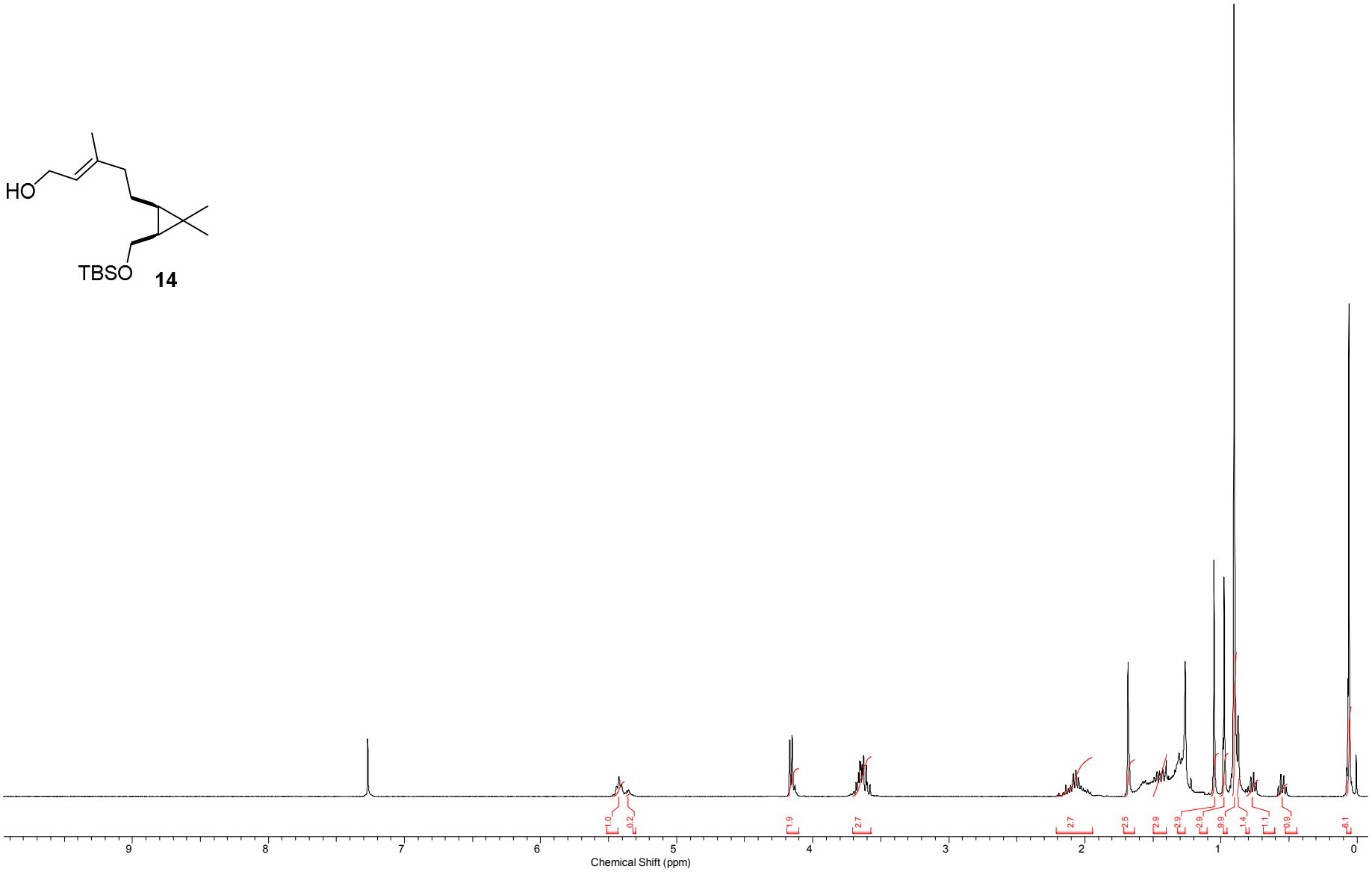
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **12**



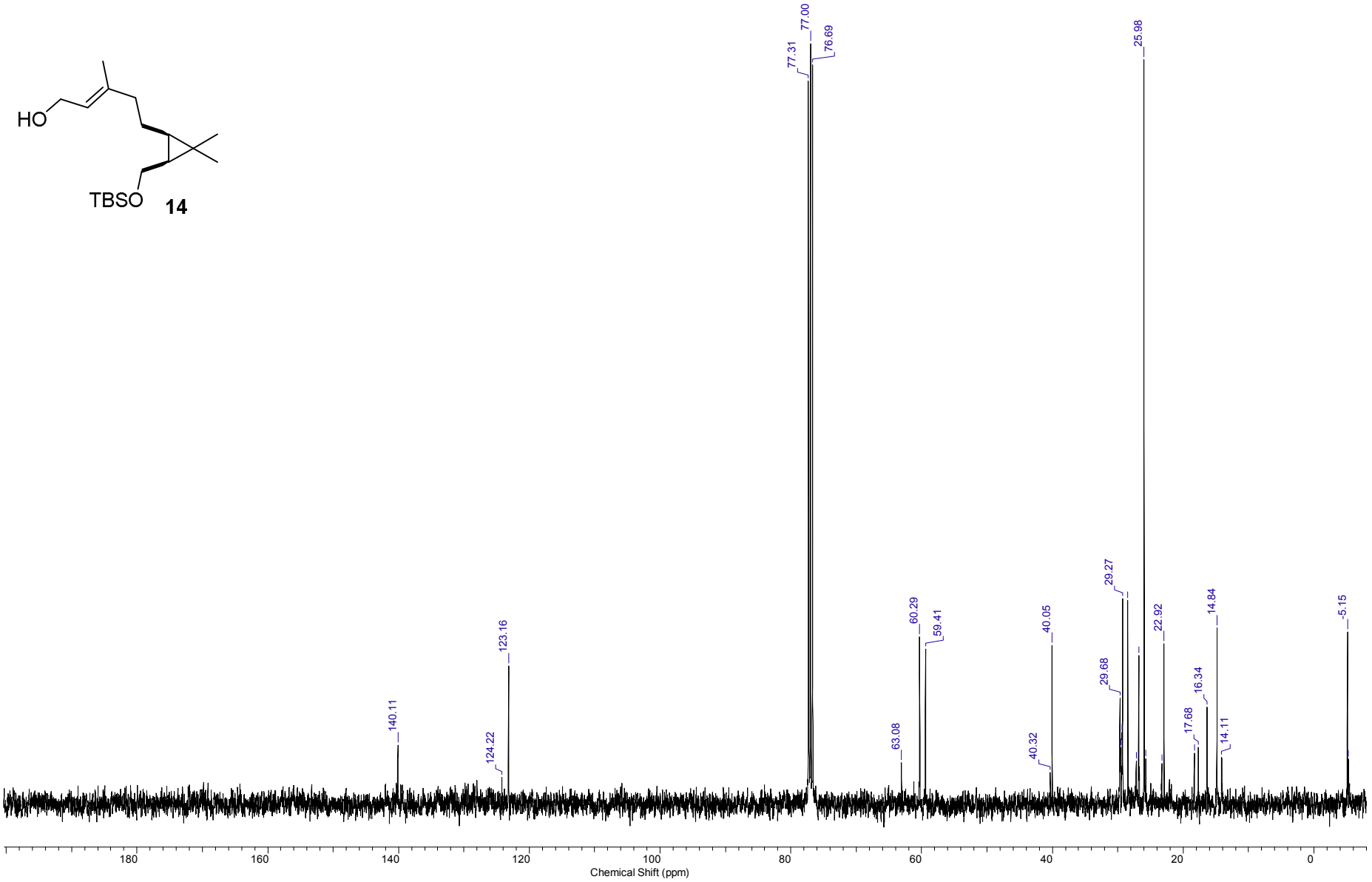
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **13**



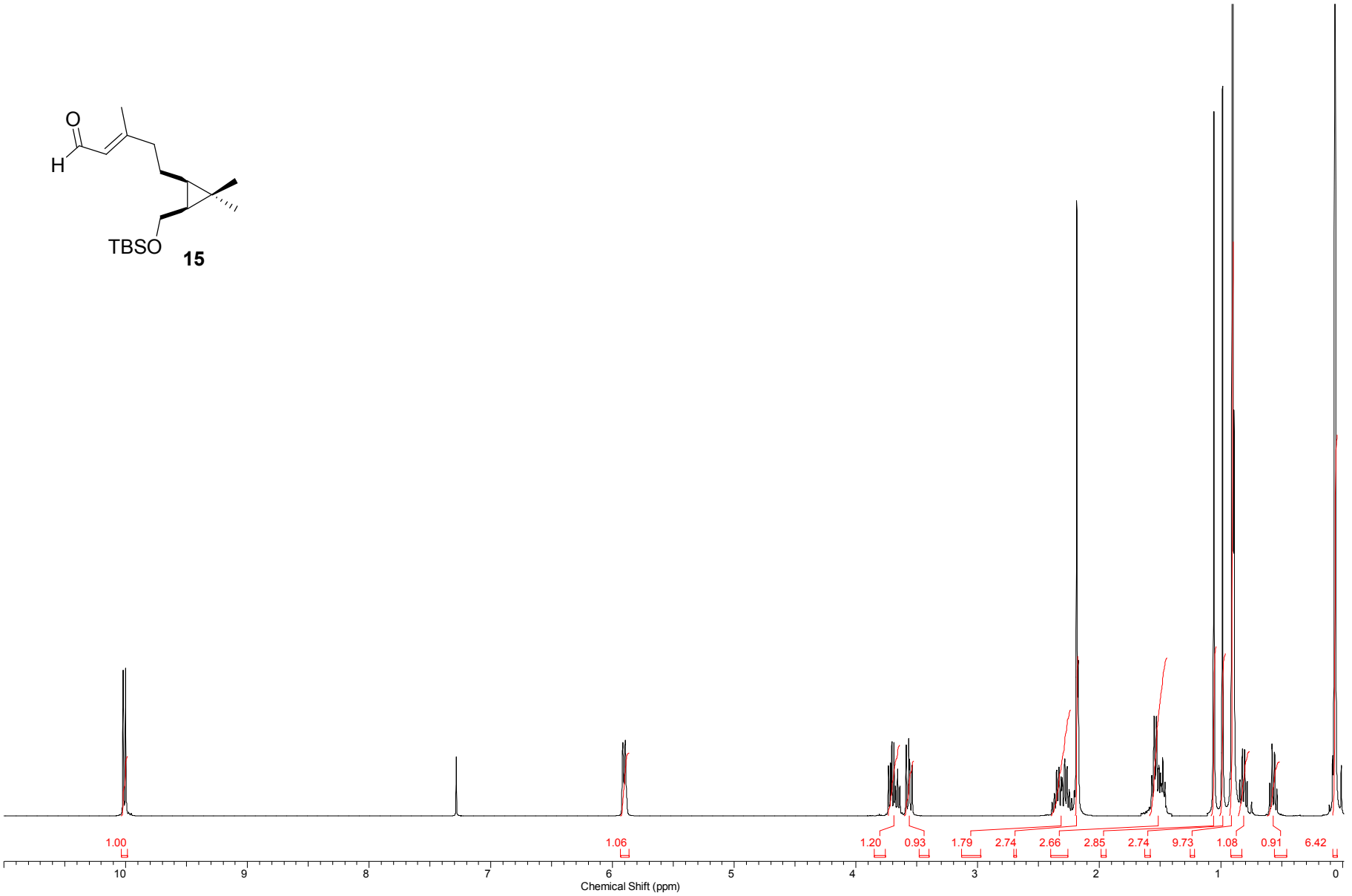
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **13**



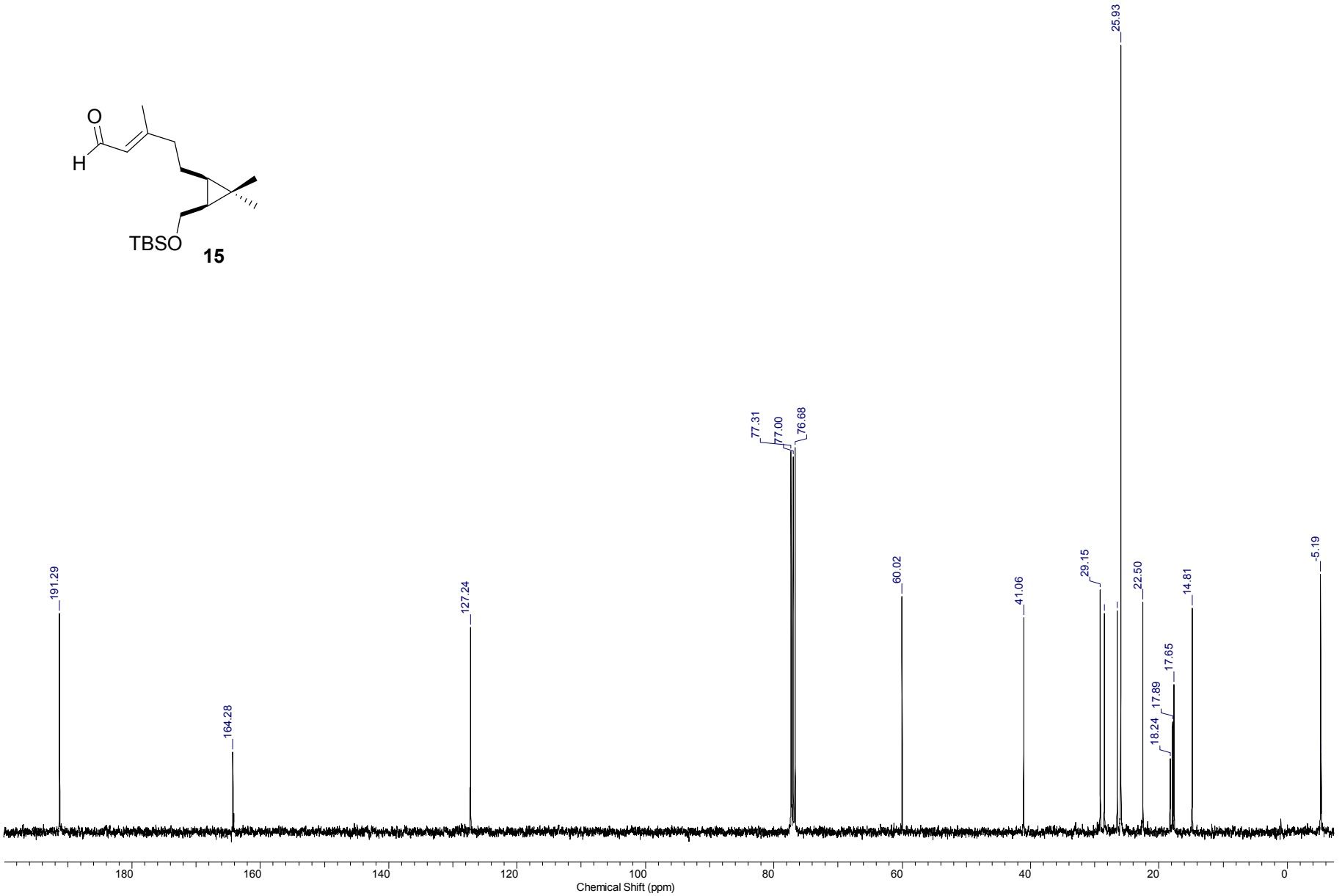
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **14**



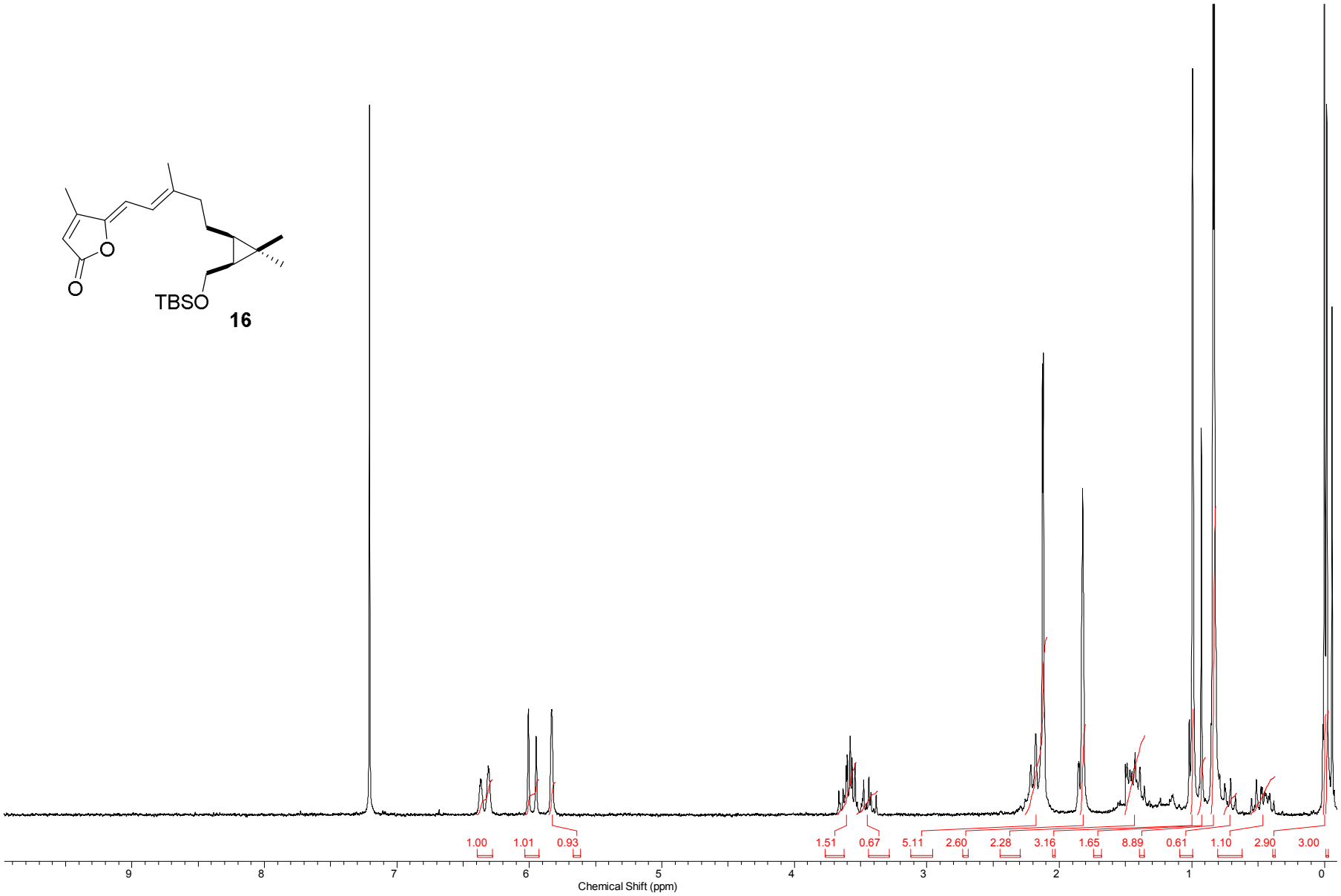
^{13}CNMR (100 MHz, $CDCl_3$) spectrum of compound **14**



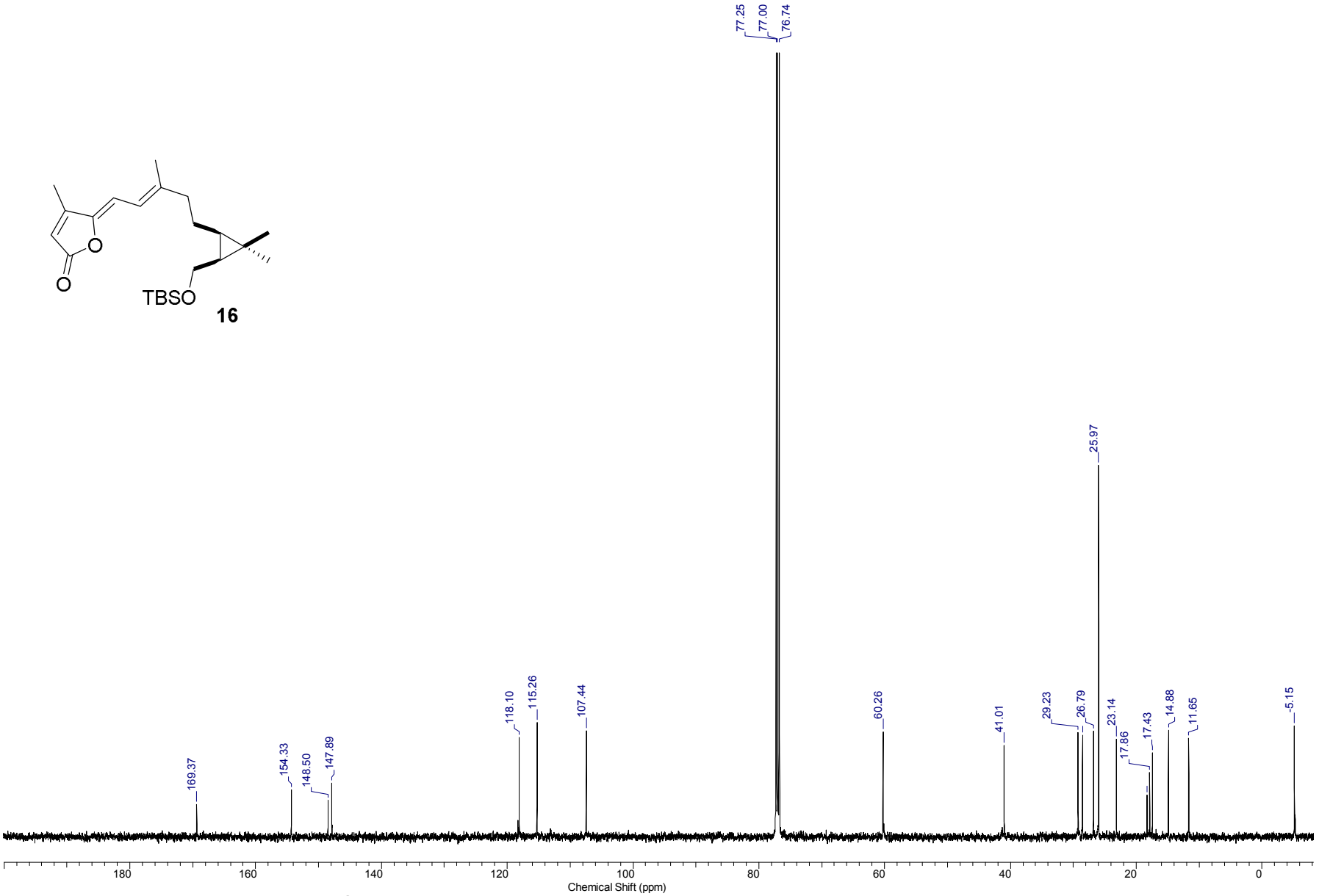
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **15**



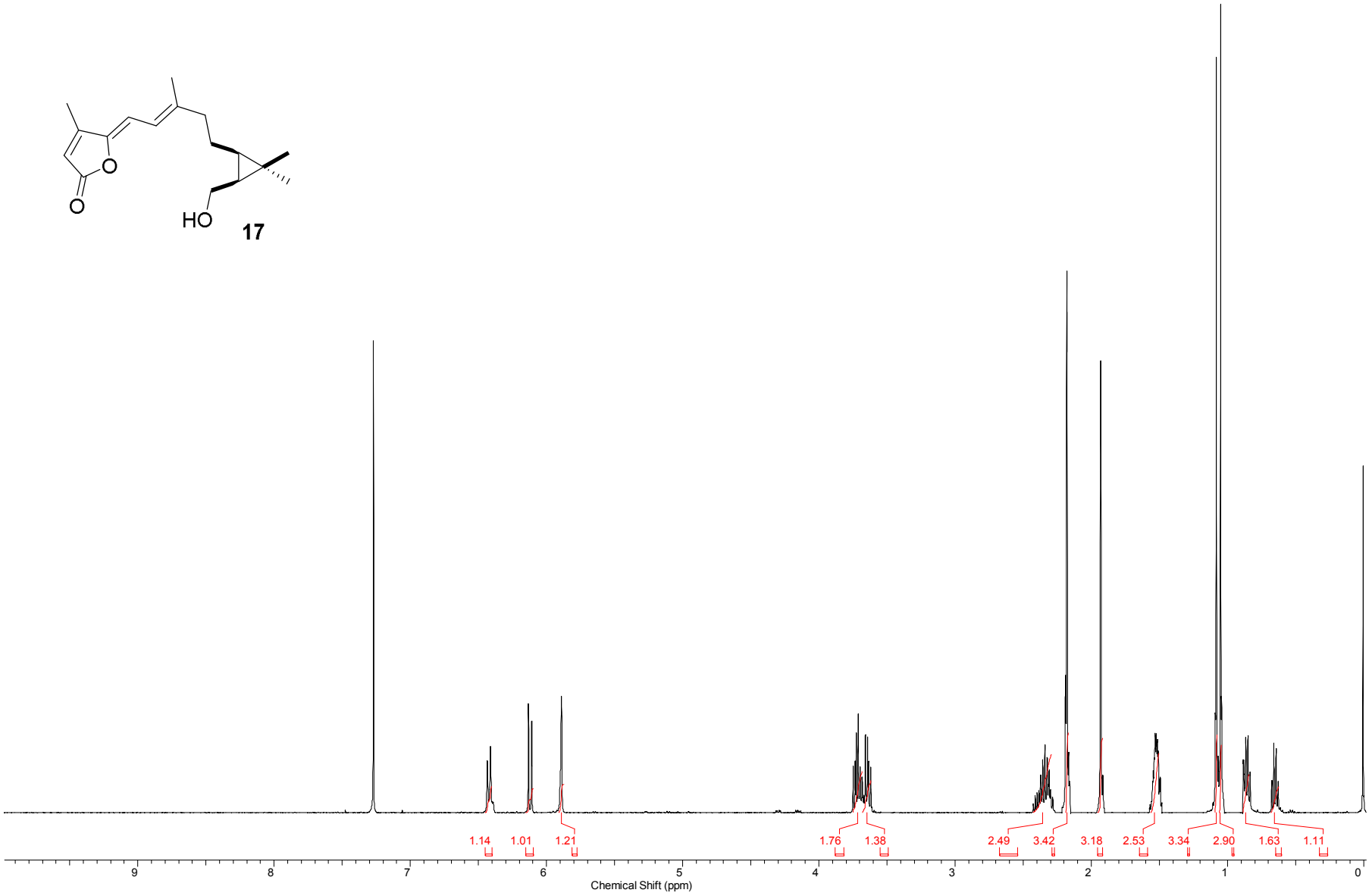
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **15**



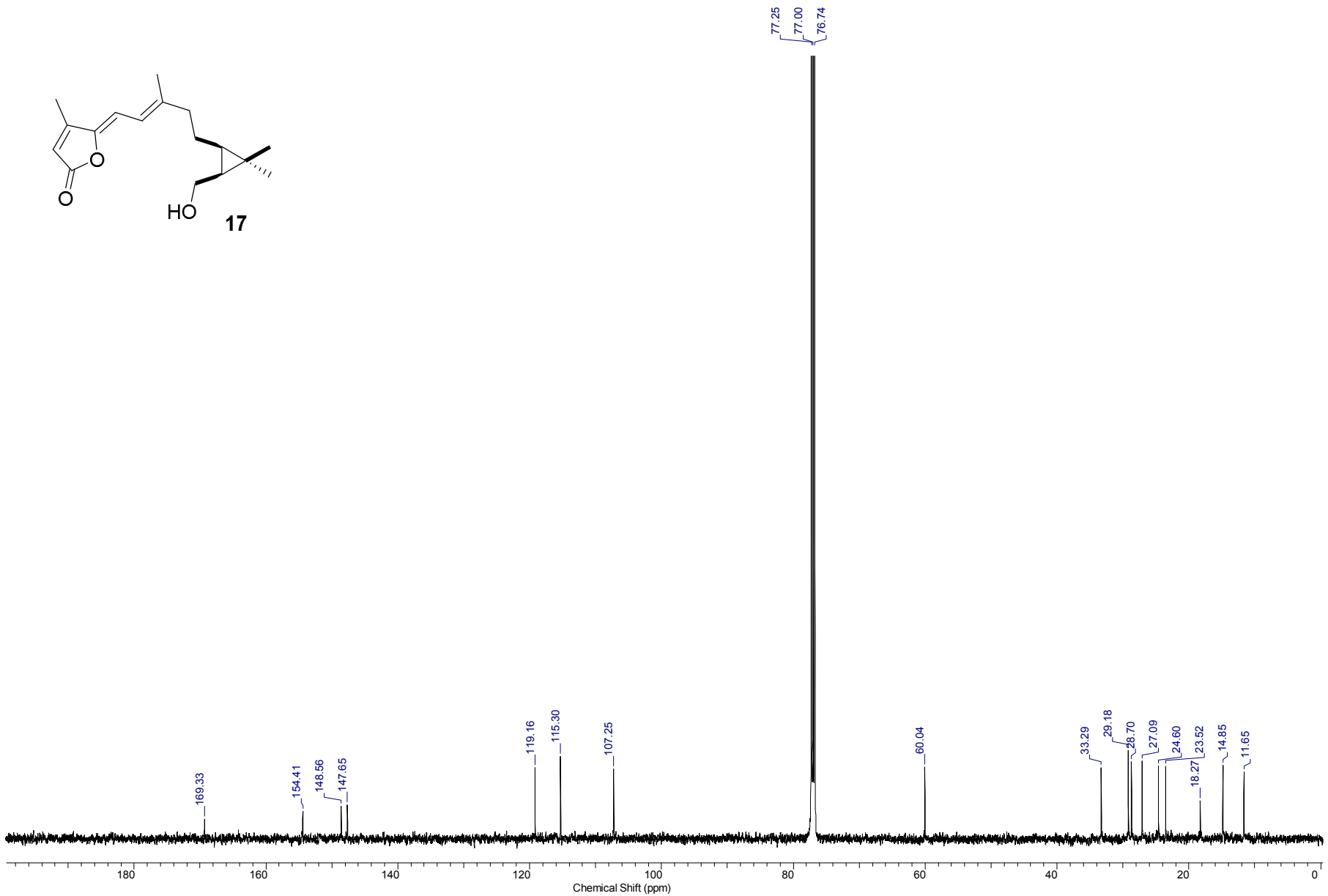
^{1}H NMR (400 MHz, $CDCl_3$) spectrum of compound **16**



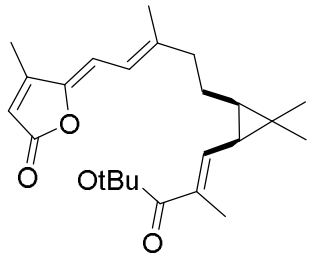
^{13}C NMR (100 MHz, $CDCl_3$) spectrum of compound **16**



^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **17**



^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **17**



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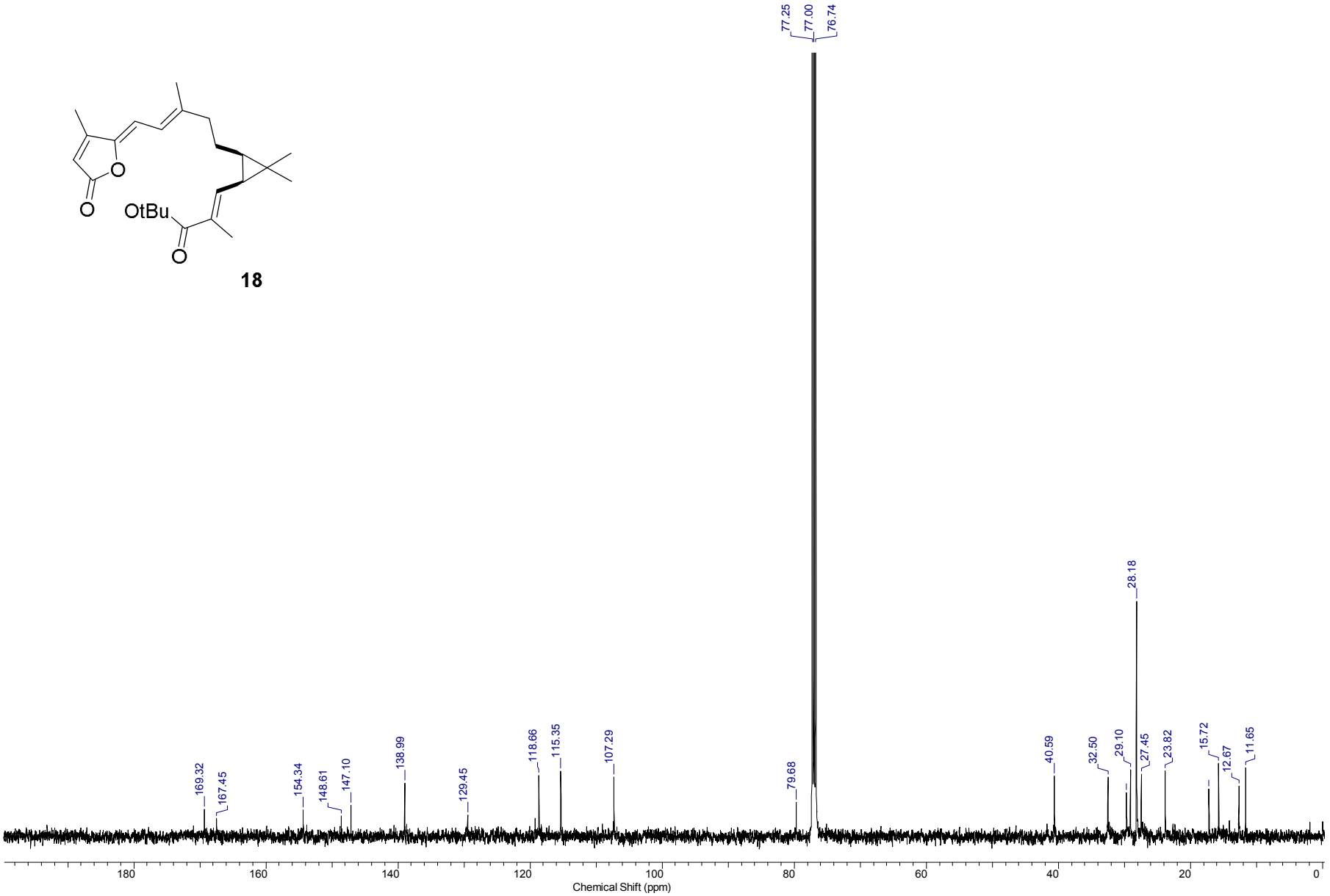
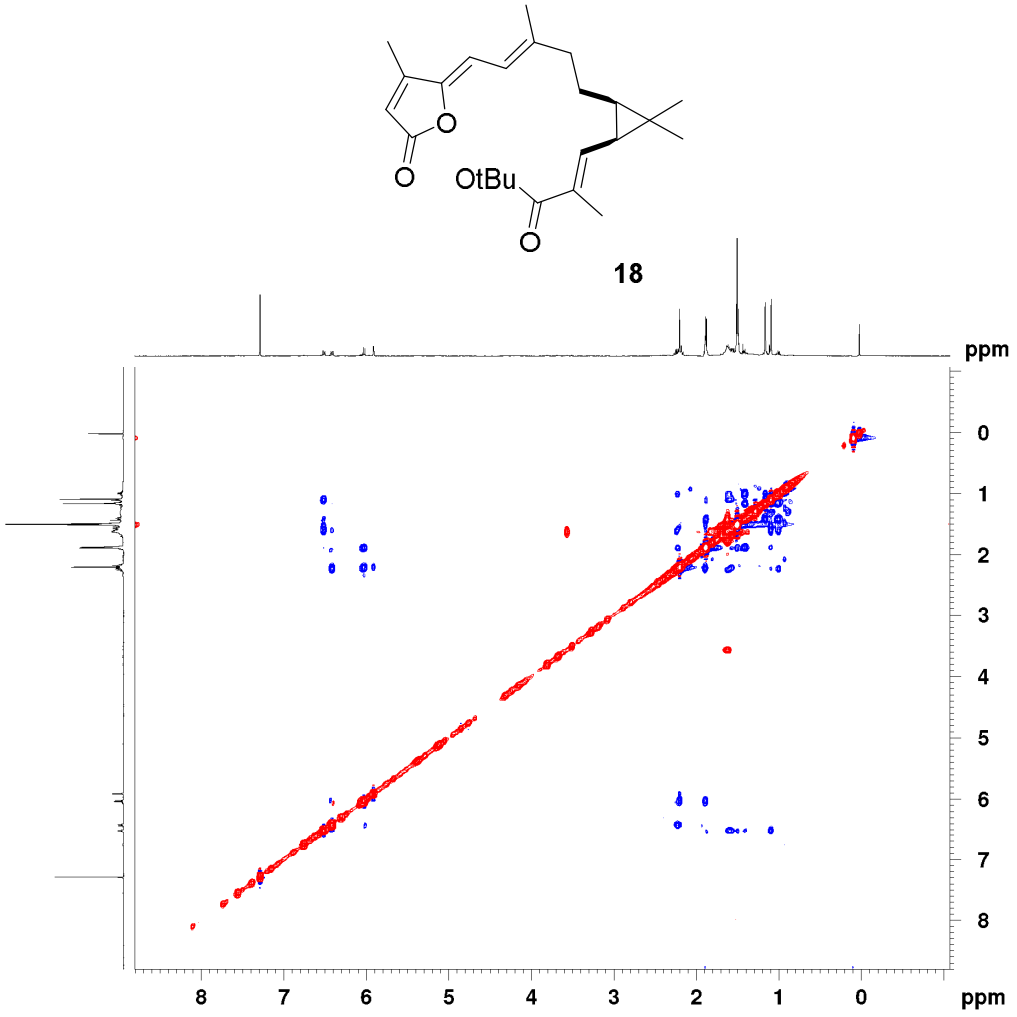
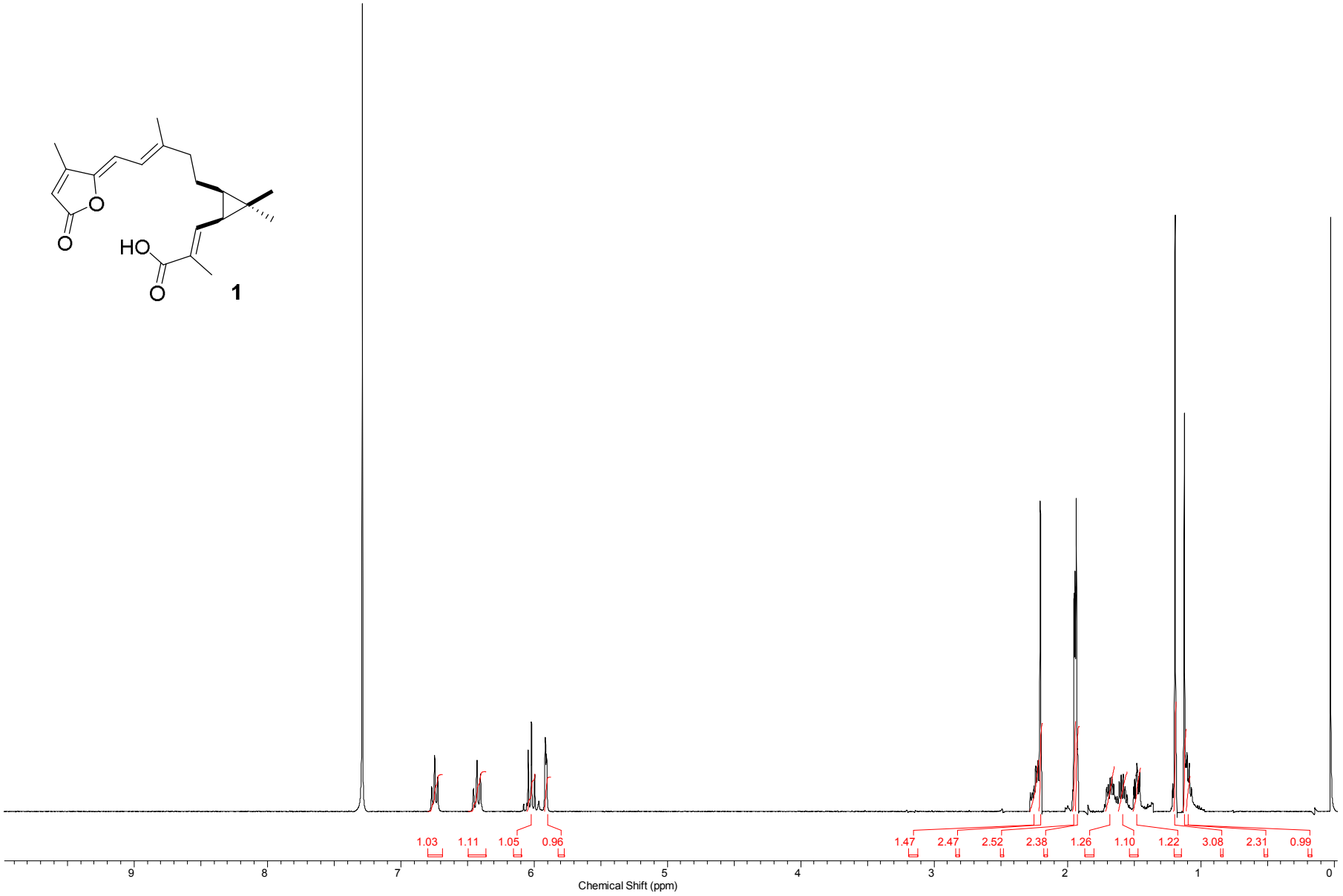
^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **18**



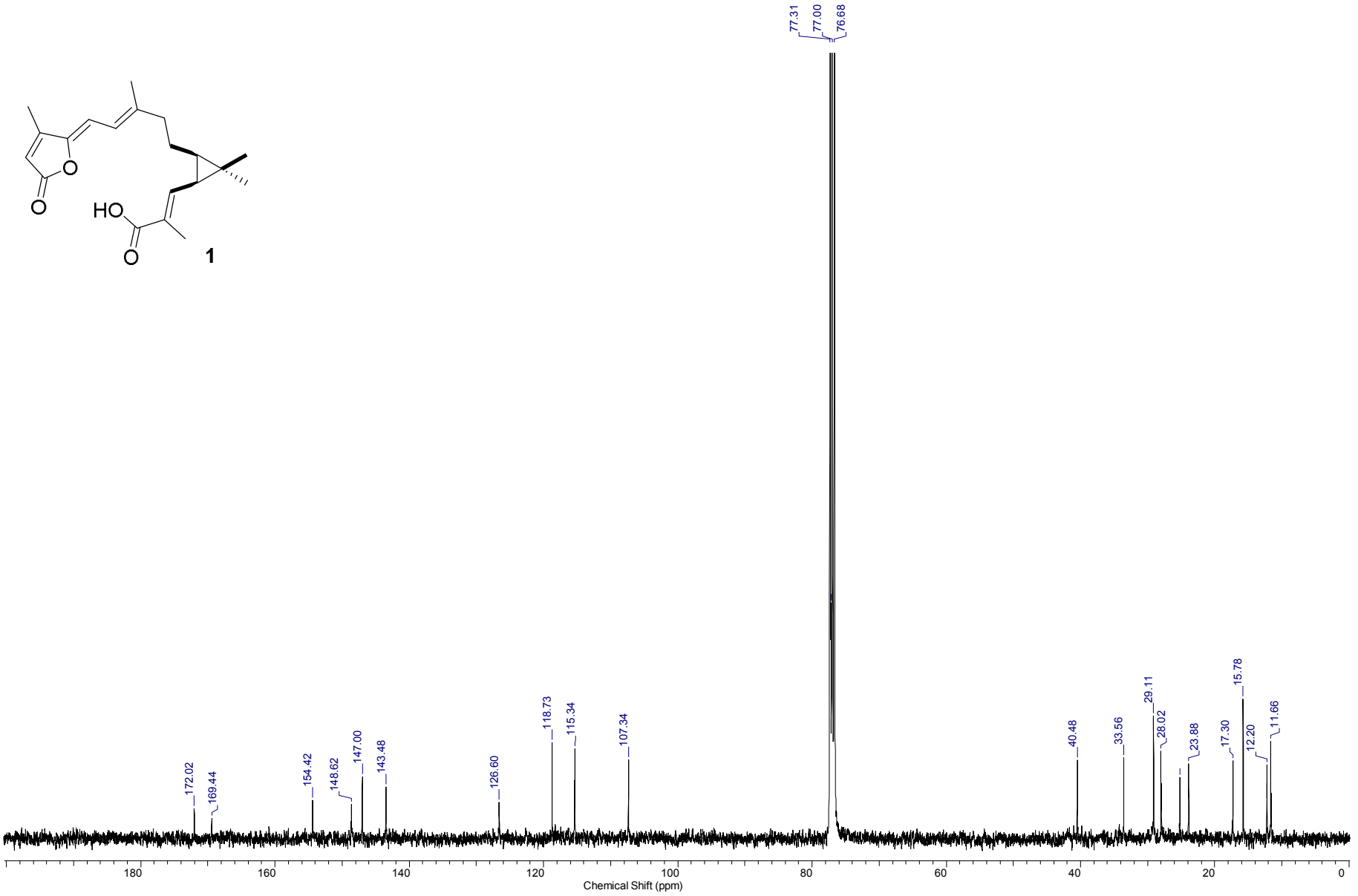
^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **18**



^{1}H-^{1}H NOESY NMR spectrum of compound **18**



^{1}H NMR (500 MHz, $CDCl_3$) spectrum of compound **1**



^{13}C NMR (125 MHz, $CDCl_3$) spectrum of compound **1**

Table1. Comparison of ^{1}H and ^{13}C NMR data of natural and synthesized EBC 329 (**1**).

No	Natural EBC 329 **(1)**		Synthesized EBC 329 **(1)**	
	^{1}H NMR	^{13}C NMR	^{1}H NMR	^{13}C NMR
1		148.68		148.62
2		154.37		154.32
3	5.87 (br s, 1H)	115.38	5.87 (bs, 1H)	115.34
4		169.36		169.44
5		171.83		172.02
6		126.68		126.60
7	6.69 (dd, *J* = 10.6 and 1.2 Hz, 1H)	143.37	6.71 (t, *J* = 11.6, 1H)	143.48
8	1.43 (m, 1H)	28.05	1.42-1.46 (m, 1H)	28.02
9	1.05 (m, 1H)	33.56	1.05-1.07 (m, 1H)	33.56
10a	1.54 (dd, *J* = 14.6 and 6.5 Hz, 1H)	23.90	1.51-1.59 (m, 1H)	23.88
10b	1.62 (dt, *J* = 14.6 and 7.1, 1H)		1.61-1.68 (m, 1H)	
11	2.15-2.21 (m, 2H)	40.50	2.18-2.24 (m, 2H)	40.48
12		146.91		147.00
13	6.37 (dd, *J* = 11.7 and 1.0 Hz,1H)	118.78	6.41 (t, *J* = 11.9 Hz, 1H)	118.73
14	5.98 (d, *J* = 11.7 Hz, 1H)	107.28	5.98 (t, *J* = 11.9 Hz, 1H)	107.34
15		25.15		25.19
16	1.08 (s, 3H)	15.78	1.09 (s, 3H)	15.78
17	1.14 (s, 3H)	29.13	1.16 (s, 3H)	29.11
18	1.88 (d, *J* = 1.2 Hz, 3H)	12.24	1.90 (d, *J* = 1.2 Hz, 3H)	12.25
19	2.16 (d, *J* = 1.0 Hz, 3H)	11.65	2.16 (d, *J* = 1.2 Hz, 3H)	11.66
20	1.84 (s, 3H)	17.30	1.89 (bs, 3H)	17.30