

Supplementary

¹ H-NMR of <i>cis</i> - 1 and <i>cis</i> - 3	S1
¹ H- and ¹³ C-NMR of (–)- 4a	S2
¹ H- and ¹³ C-NMR of (+)- 4b	S3
¹ H- and ¹³ C-NMR of (–)- 5a	S4
¹ H- and ¹³ C-NMR of (–)- 5b	S5
¹ H- and ¹³ C-NMR of (–)- 6a	S6
¹ H- and ¹³ C-NMR of (–)- 6b	S7
¹ H- and ¹³ C-NMR of (–)- 7a	S8
¹ H- and ¹³ C-NMR of (–)- 7b	S9

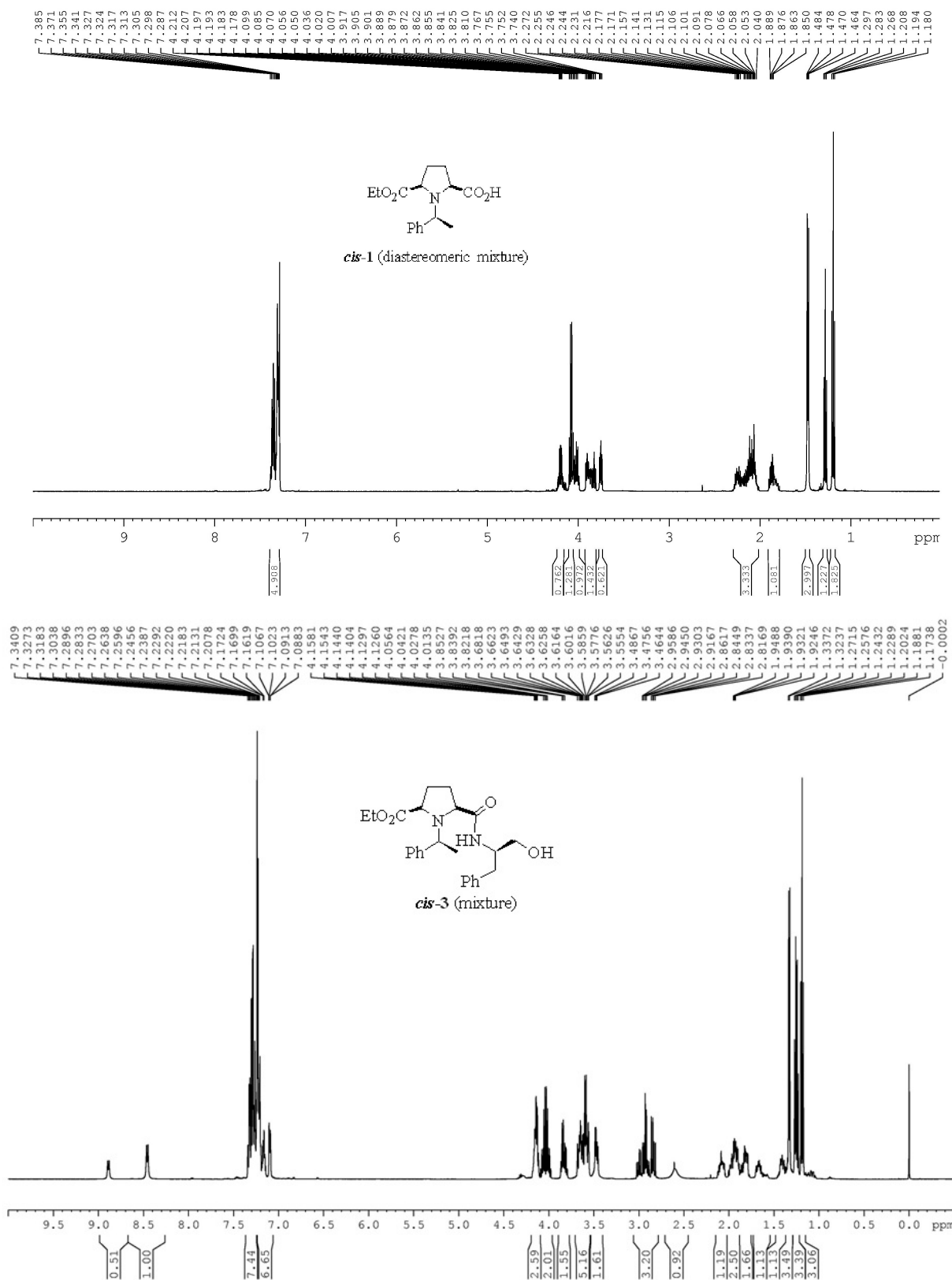


Figure S1. ^1H NMR of *cis-1* and *cis-3*.

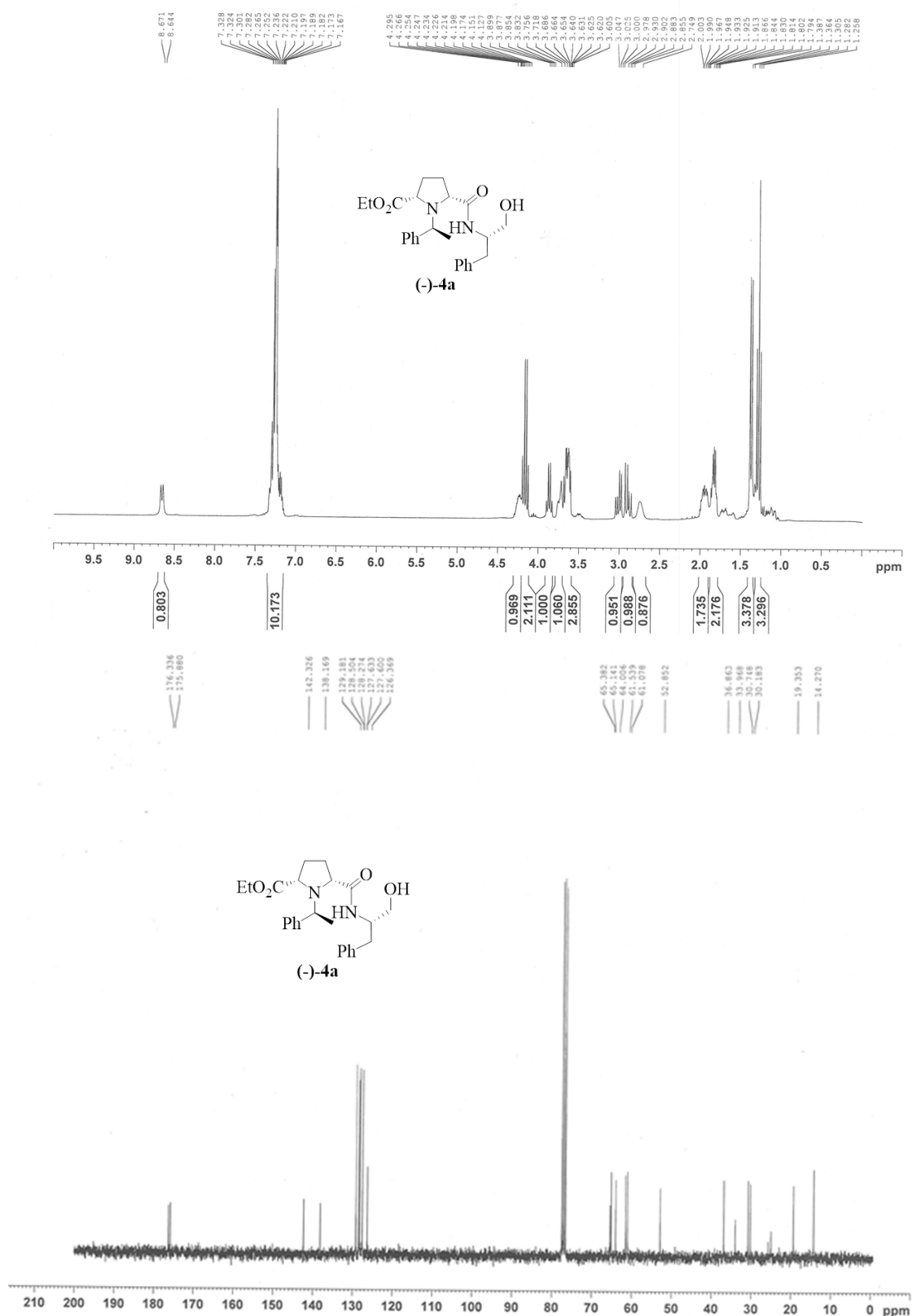


Figure S2. ¹H and ¹³C NMR of (-)-4a.

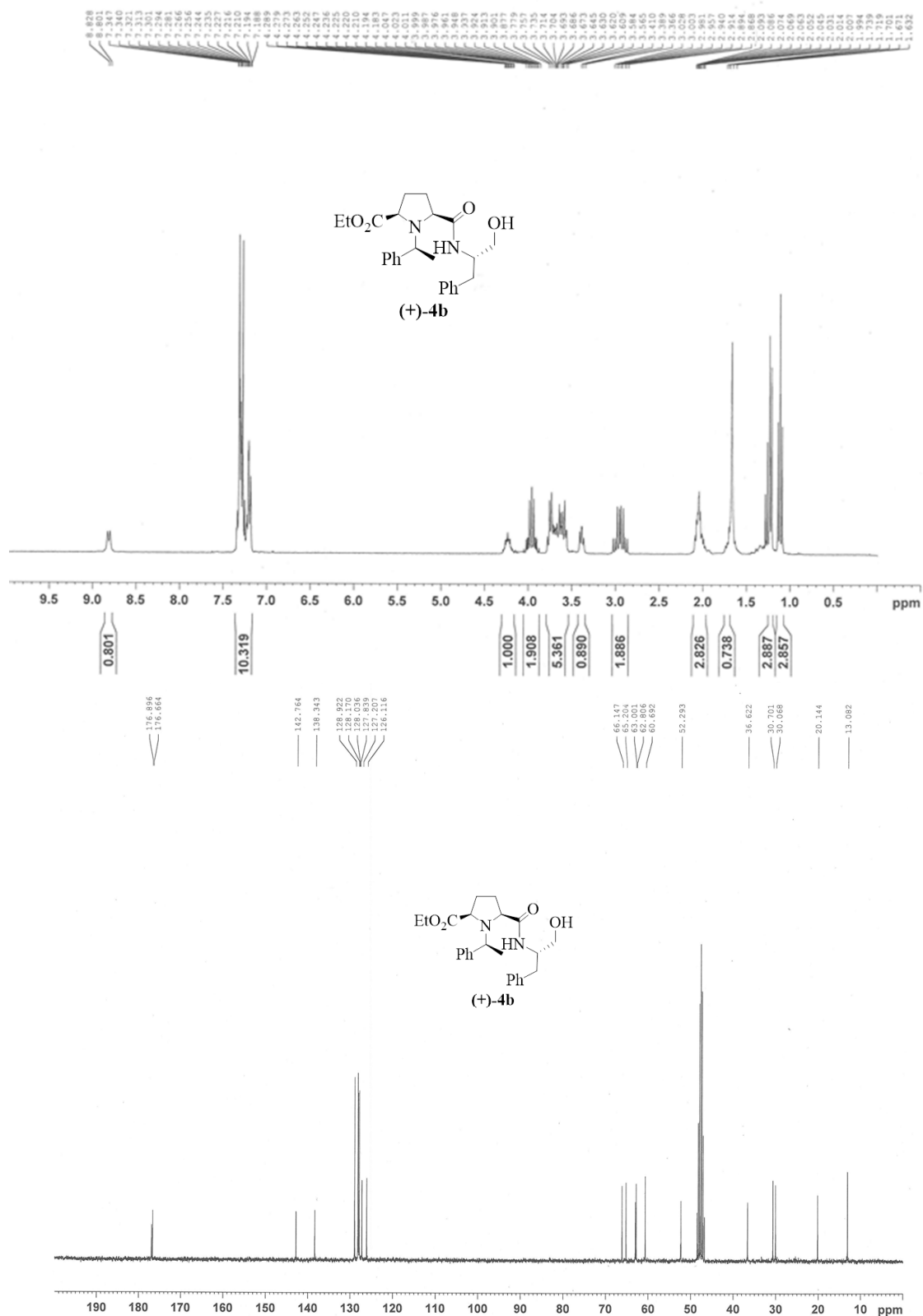


Figure S3. ^1H and ^{13}C NMR of (+)-4b.

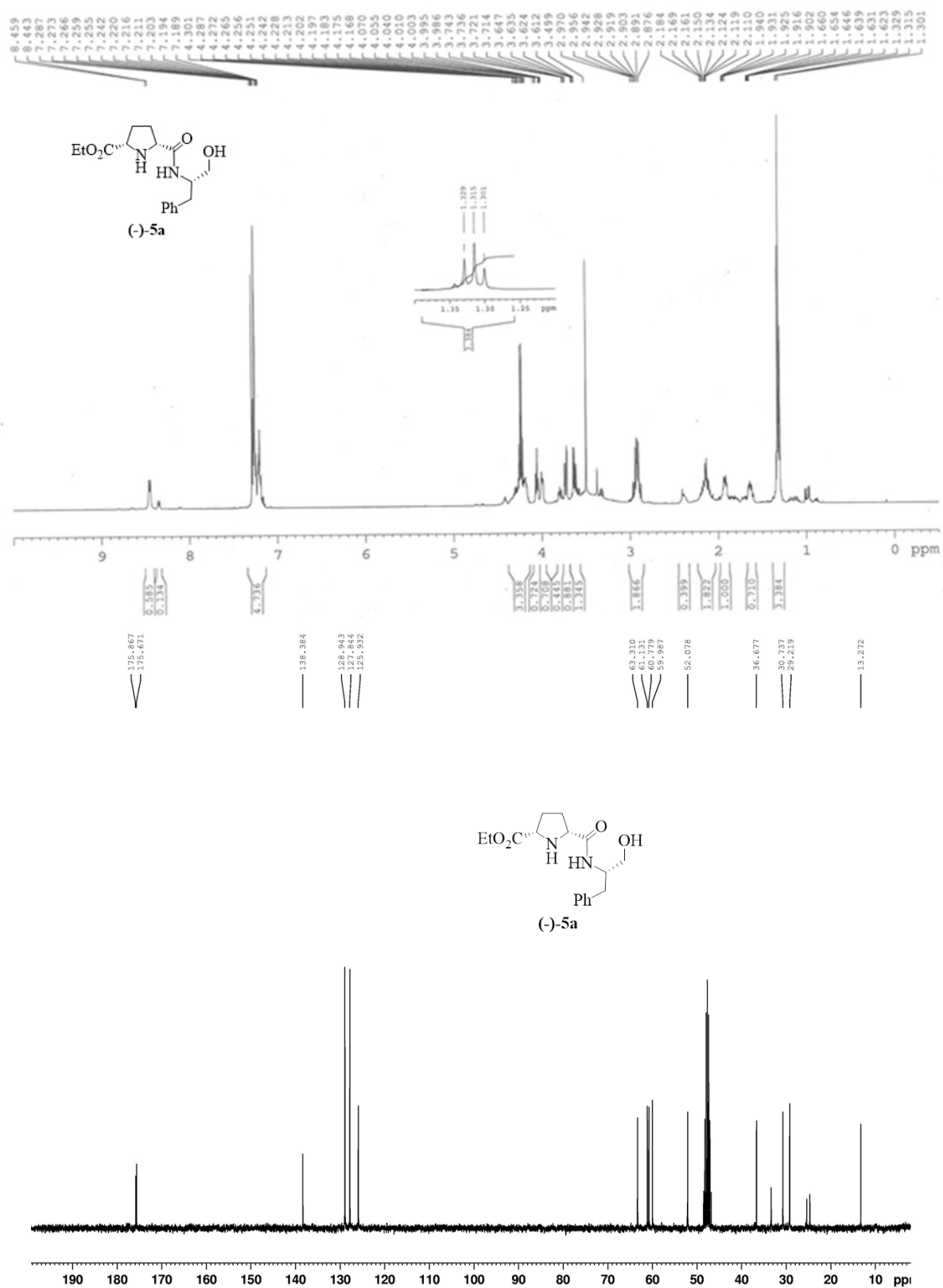


Figure S4. ¹H and ¹³C NMR of (-)-5a.

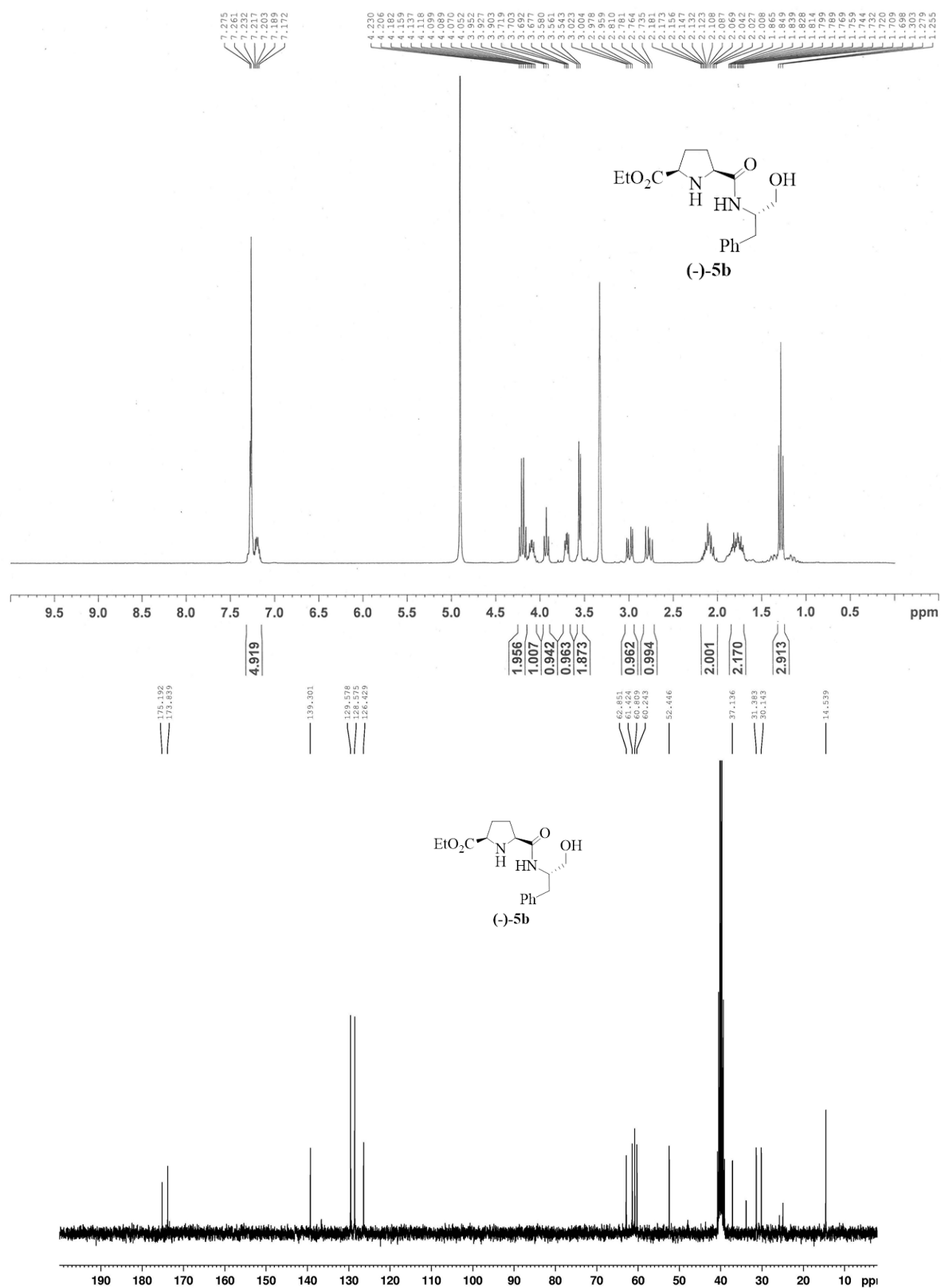


Figure S5. ^1H and ^{13}C NMR of **(-)-5b**.

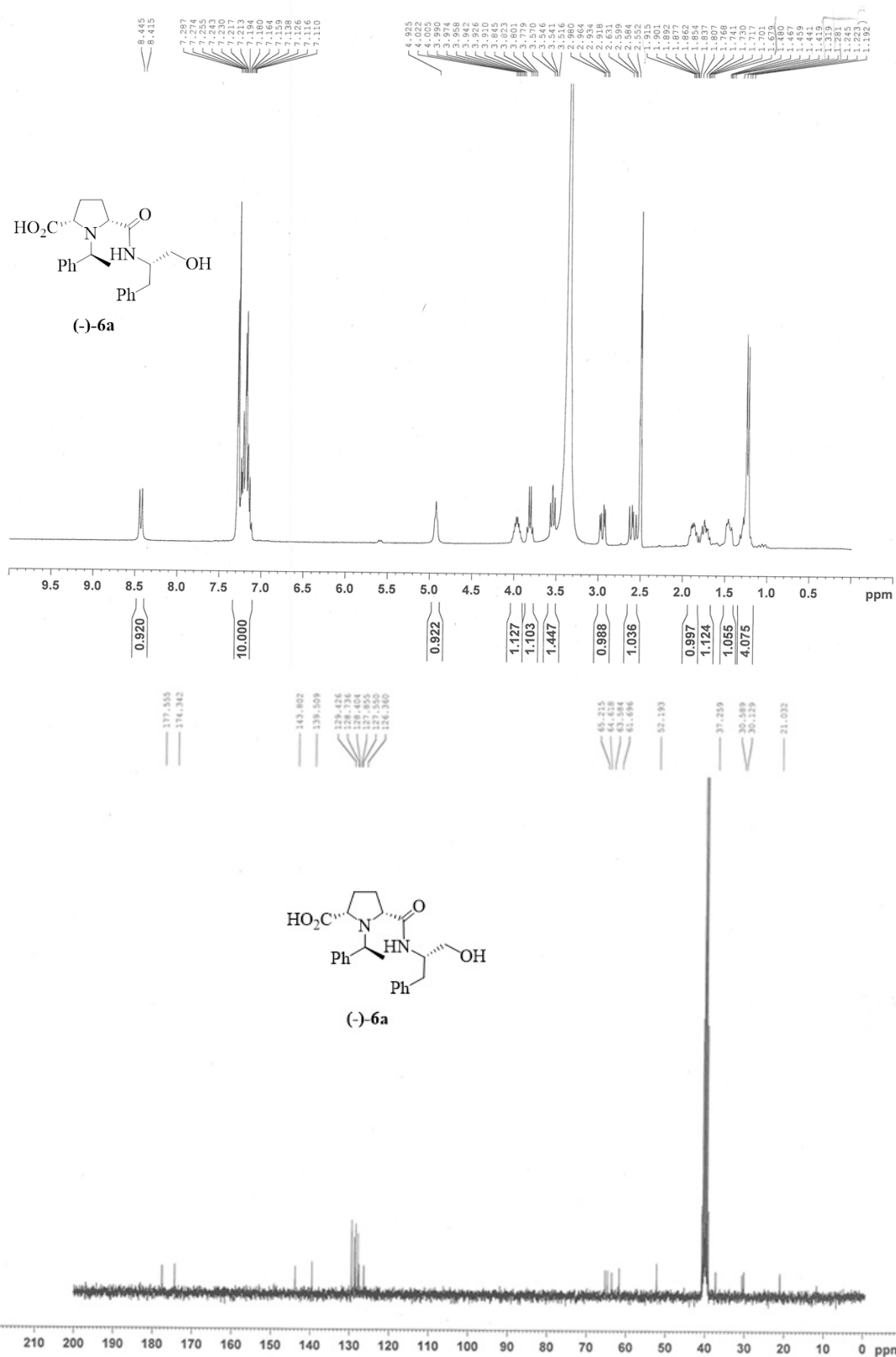


Figure S6. ^1H and ^{13}C NMR of (-)-6a.

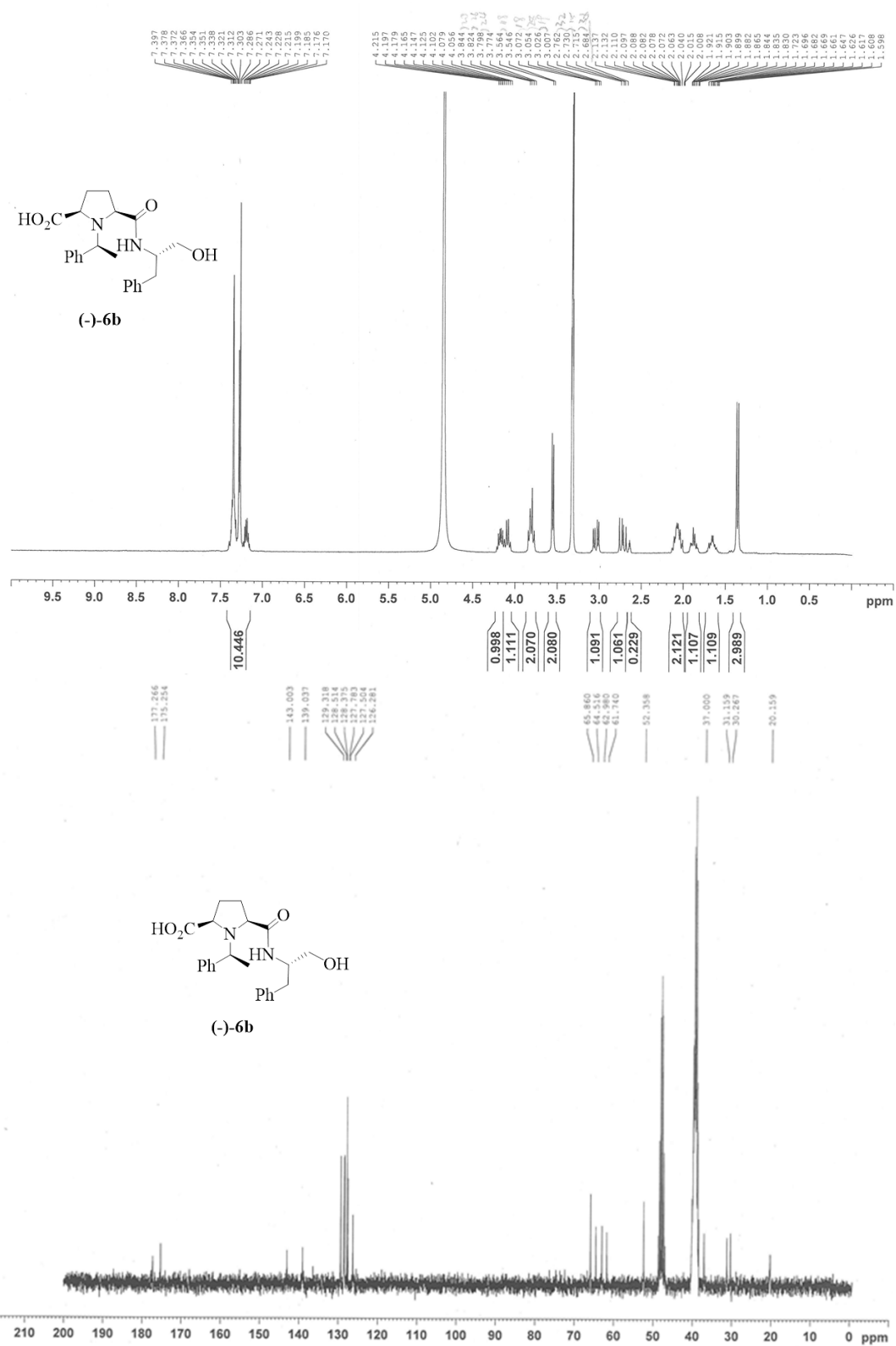


Figure S7. ^1H and ^{13}C NMR of (-)-6b.

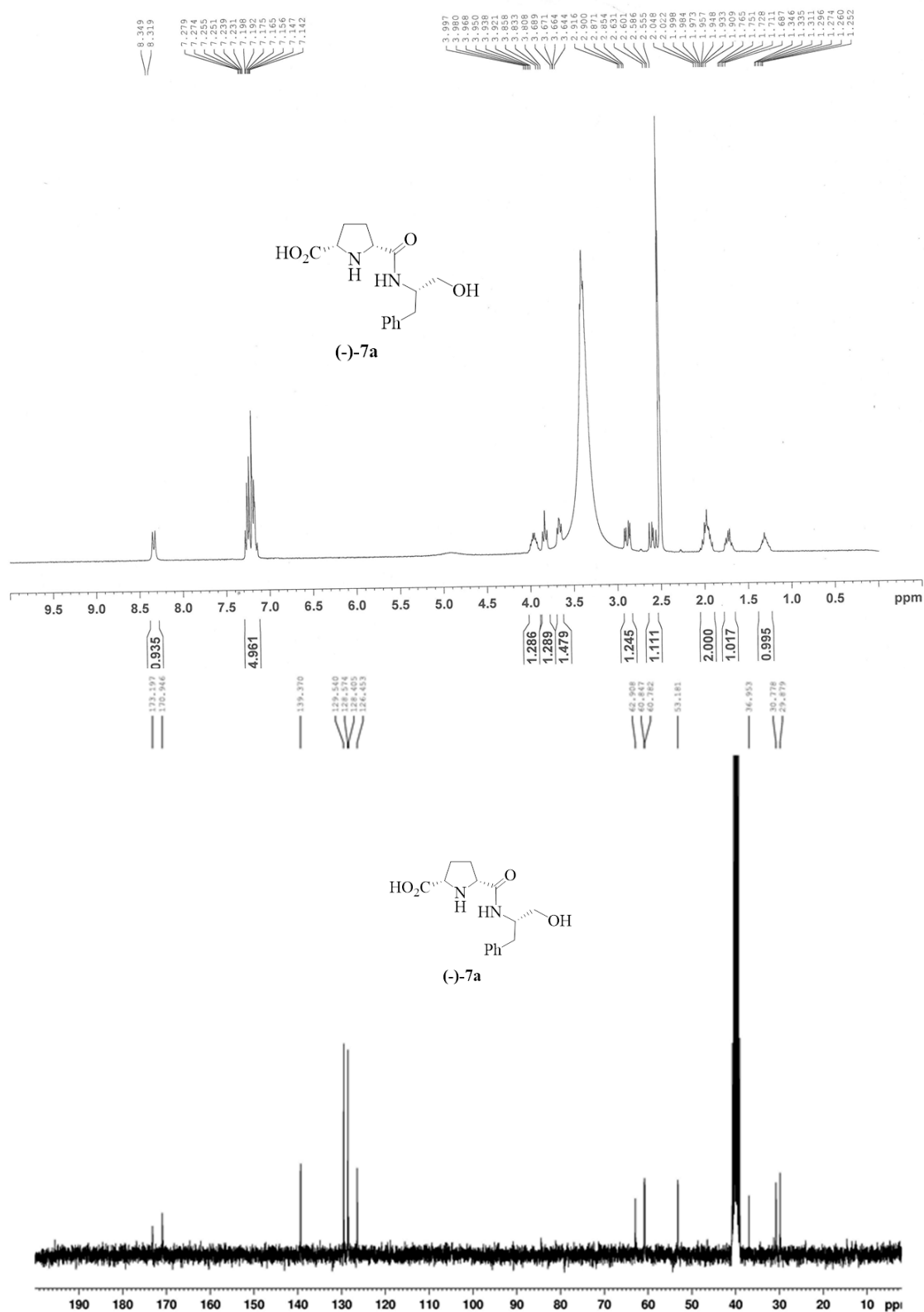
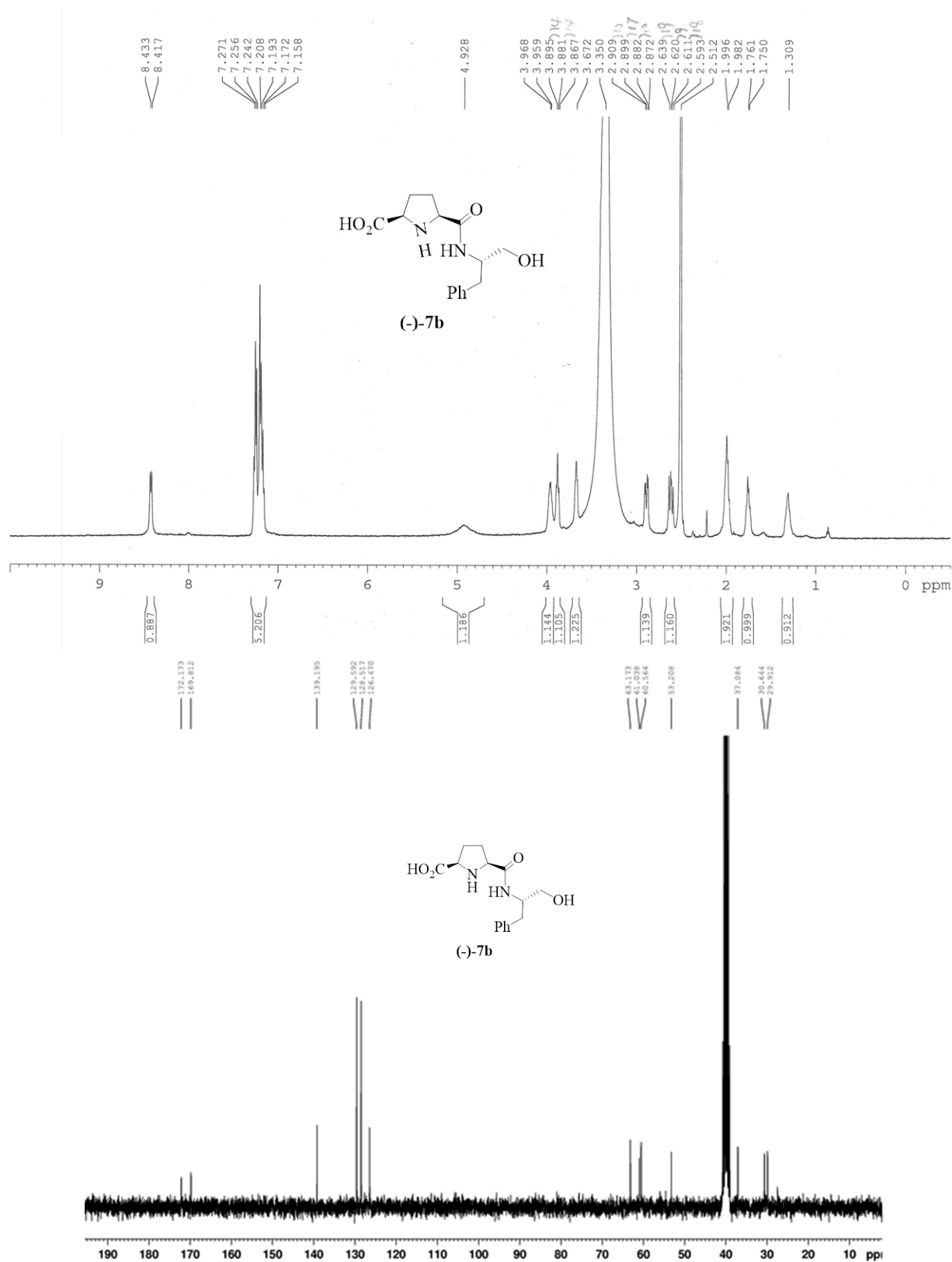


Figure S8. ^1H and ^{13}C NMR of (-)-7a.

Figure S9. ^1H and ^{13}C NMR of (-)-7b.