

SUPPORTING INFORMATION

Synthesis and Antibacterial Activity Studies of the Conjugates of Curcumin with *closo*-Dodecaborate and Cobalt Bis(Dicarbollide) Boron Clusters §

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§ Dedicated to Professor Valery Petrosyan on the occasion of his 80th Jubilee and in recognition of his outstanding contributions to physical organic and organometallic chemistry.

¹H, ¹¹B and ¹³C NMR, IR and high-resolution mass spectra of compounds **4**, **5**, **9-11**

Display Report

Analysis Info

Analysis Name D:\Data\Chizhov\INEOS\Bregadze\Laskova\Nov_01_2021_1\da-039_&clb-.d
Method tune_wide_neg.m
Sample Name /CHIZ DA-039
Comment CH3OH 100 %, dil. 2000, calibrant added

Acquisition Date 01.11.2021 13:50:37

Operator BDAL@DE

Instrument / Ser# microTOF 10248

Acquisition Parameter

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Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

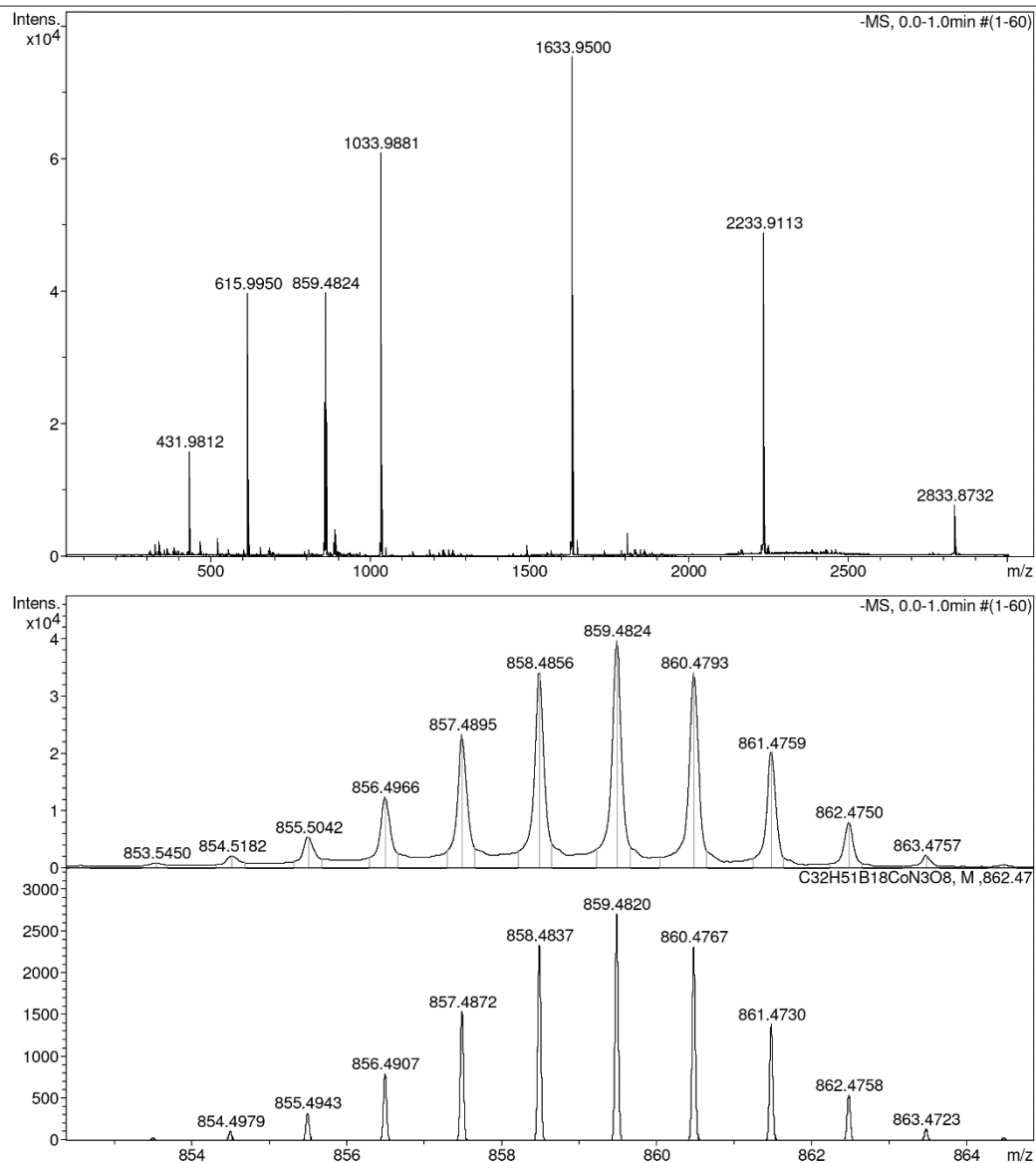


Figure S1. ESI-HRMS spectrum of compound 4

Display Report

Analysis Info

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Method tune_wide_neg.m
Sample Name /CHIZ DA-047
Comment CH3CN 100 %, dil. 200, calibrant added

Acquisition Date 17.01.2022 18:56:24

Operator BDAL@DE

Instrument / Ser# microTOF 10248

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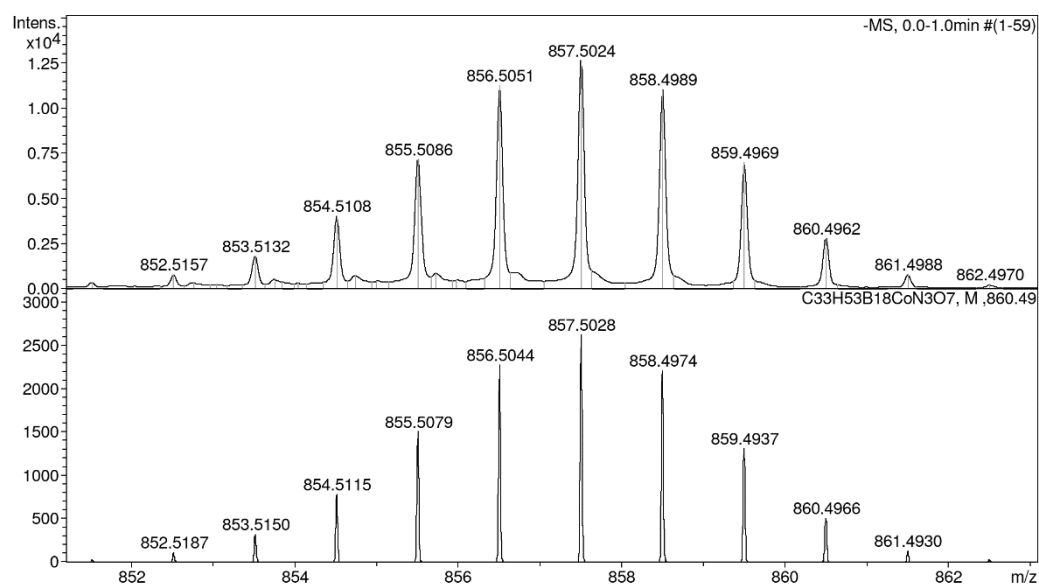
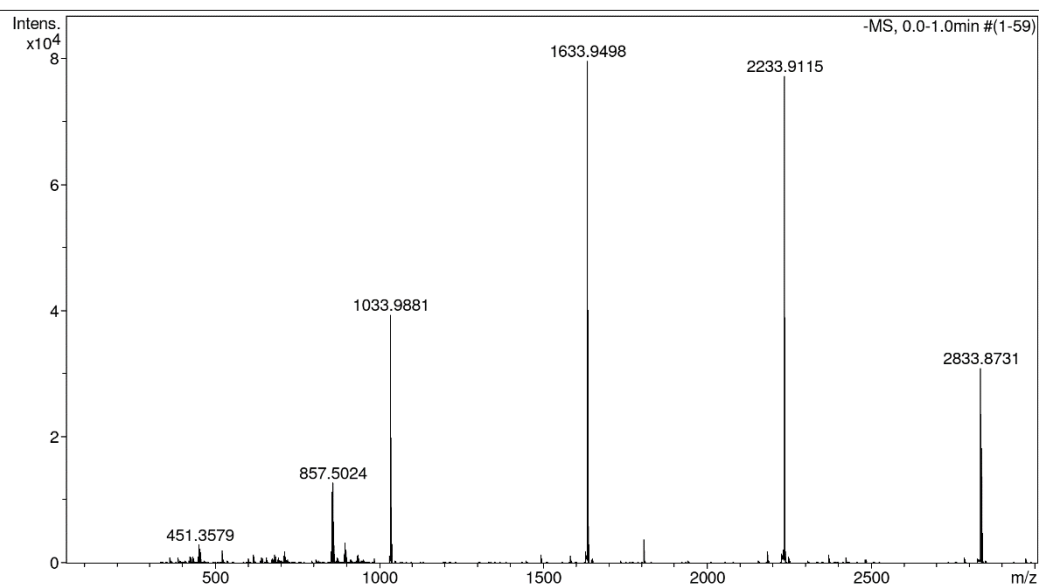


Figure S2. ESI-HRMS spectrum of compound 5

Display Report

Analysis Info

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Sample Name /CHIZ DA-048
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Acquisition Date 17.01.2022 19:06:37

Operator BDAL@DE
Instrument / Ser# microTOF 10248

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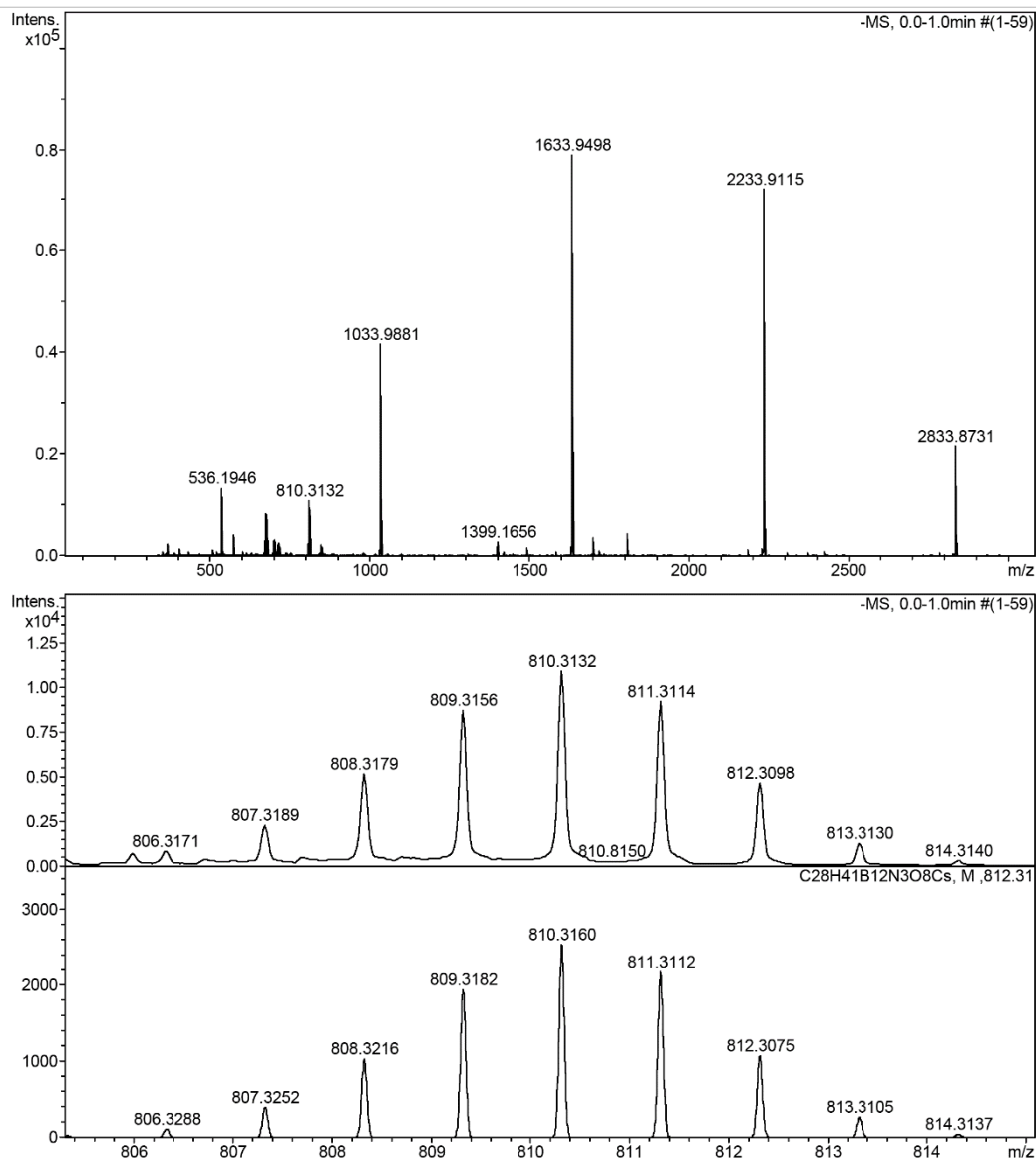


Figure S3. ESI-HRMS spectrum of compound 9

Display Report

Analysis Info

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Method tune_wide_neg.m
Sample Name /CHIZ DA-050
Comment CH3CN 100 %, dil. 20, calibrant added

Acquisition Date 17.01.2022 19:17:16

Operator BDAL@DE
Instrument / Ser# microTOF 10248

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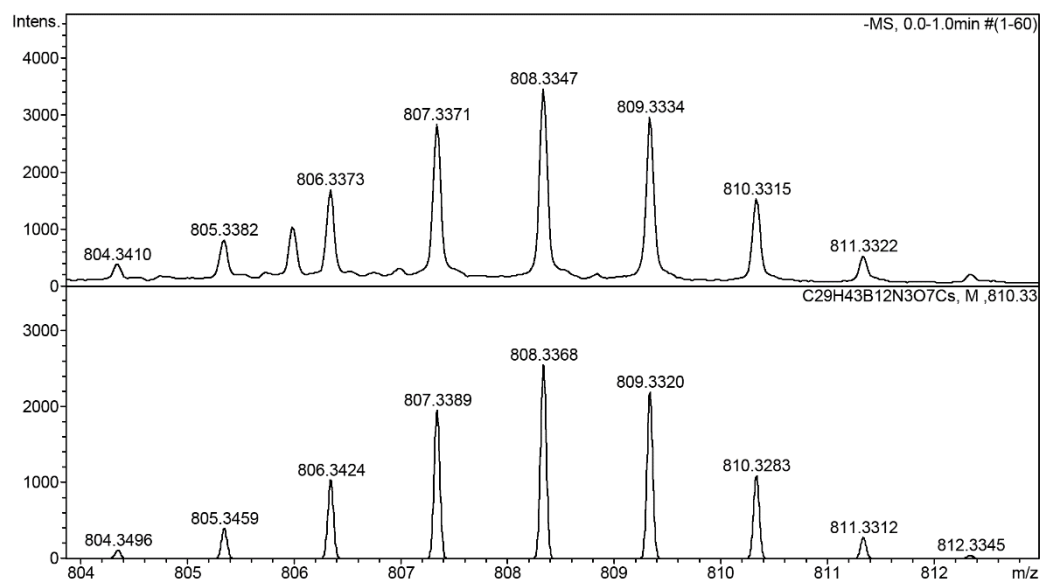
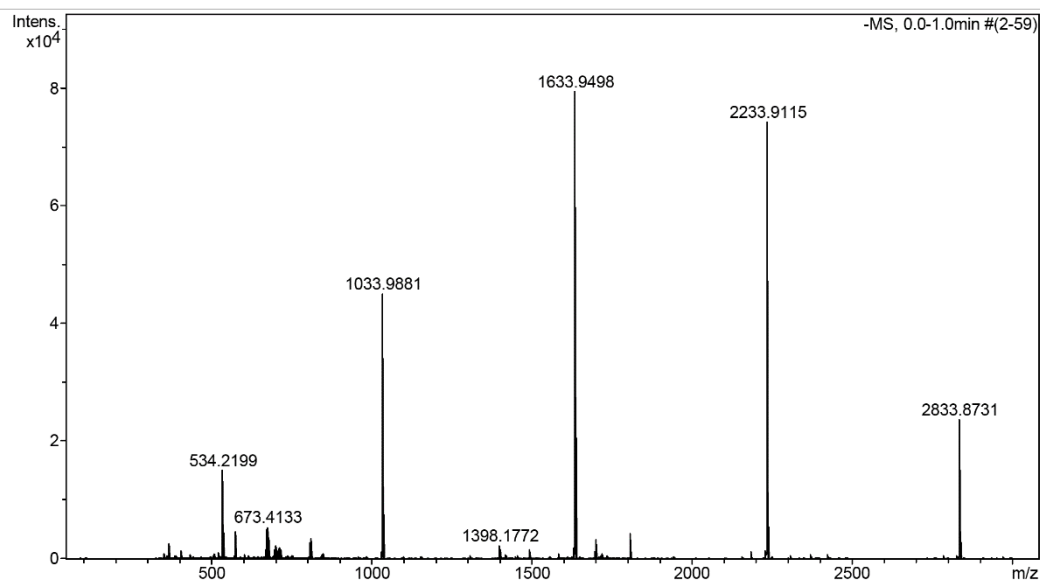


Figure S4. ESI-HRMS spectrum of compound 10

Display Report

Analysis Info

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Method tune_wide_neg.m
Sample Name /CHIZ DA-049
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Acquisition Date 17.01.2022 19:12:24

Operator BDAL@DE
Instrument / Ser# microTOF 10248

Acquisition Parameter

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Scan End	3000 m/z	Set End Plate Offset	-500 V	Set Divert Valve	Waste

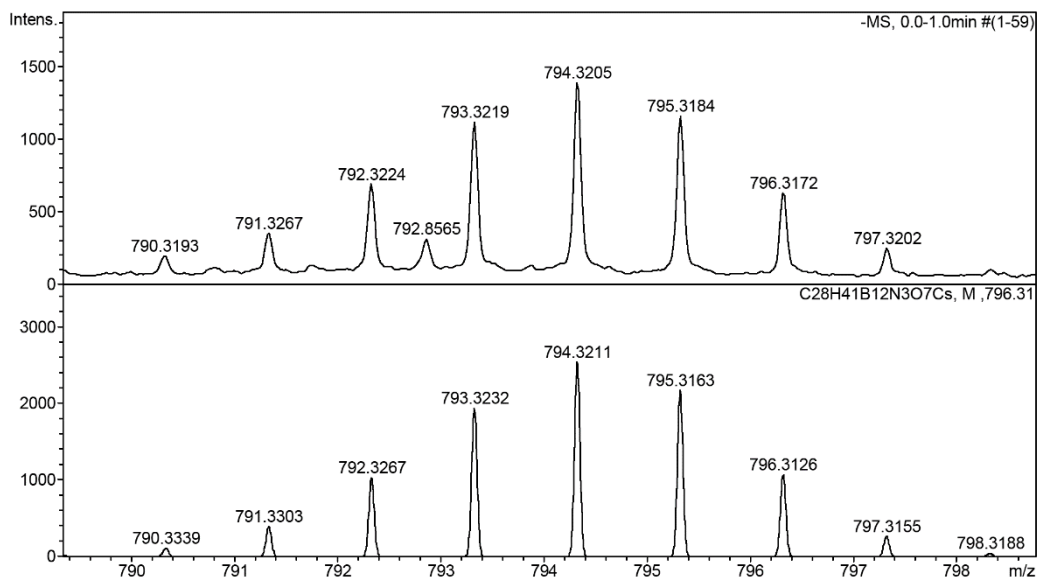
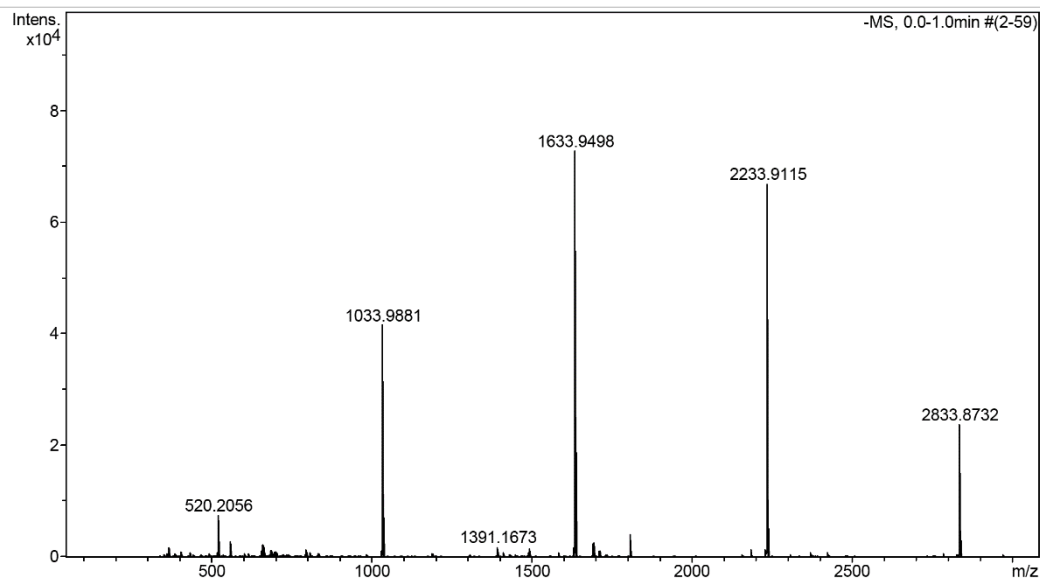


Figure S5. ESI-HRMS spectrum of compound 11

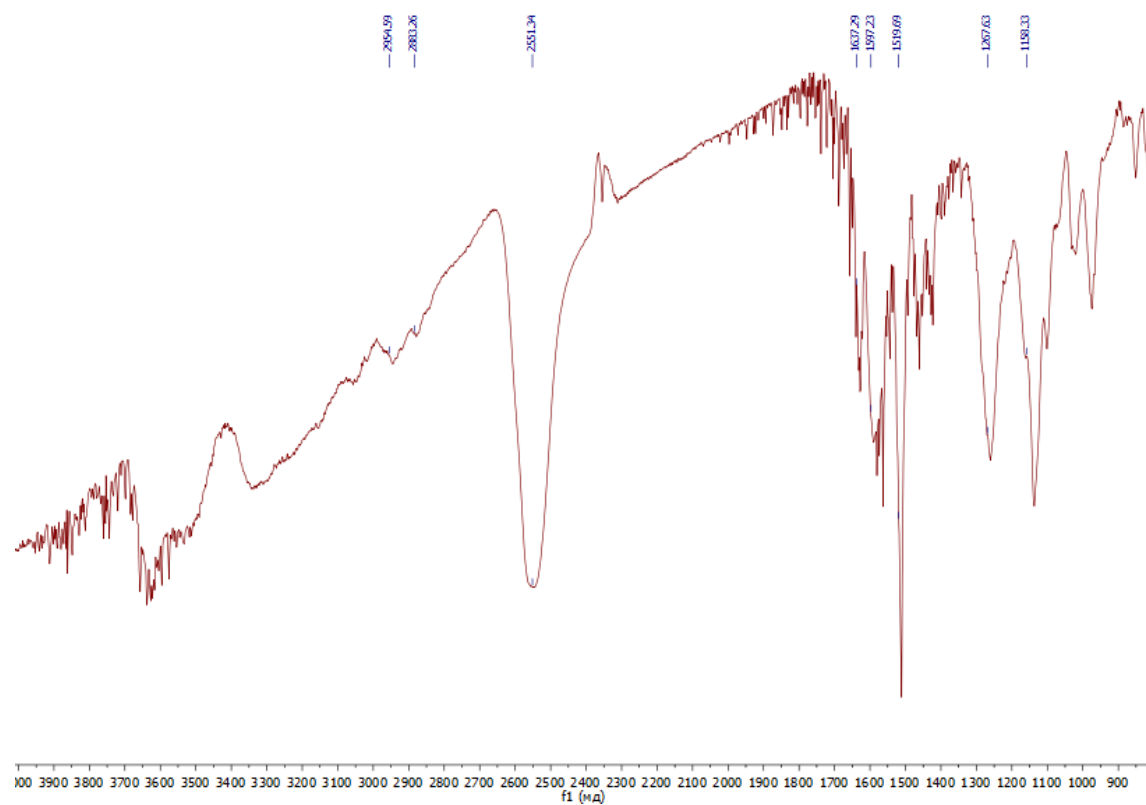


Figure S6. IR spectrum of compound 4

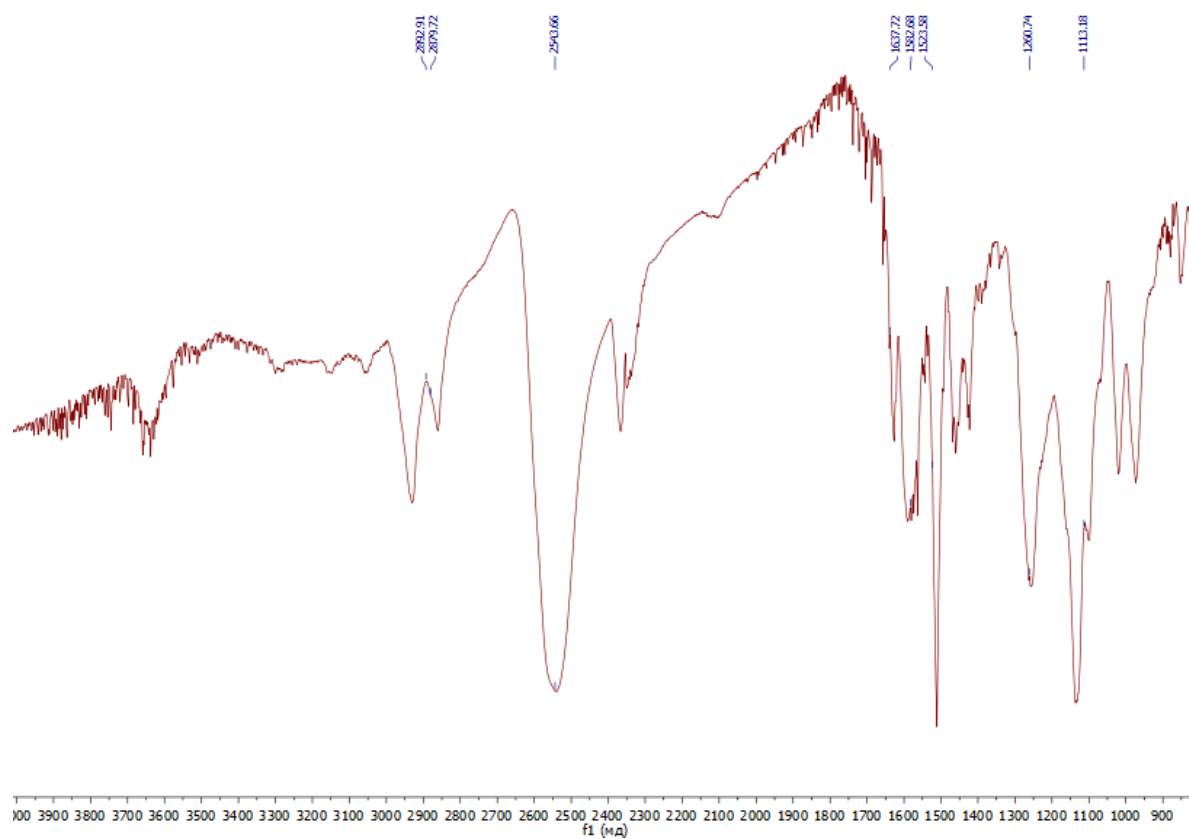


Figure S7. IR spectrum of compound 5

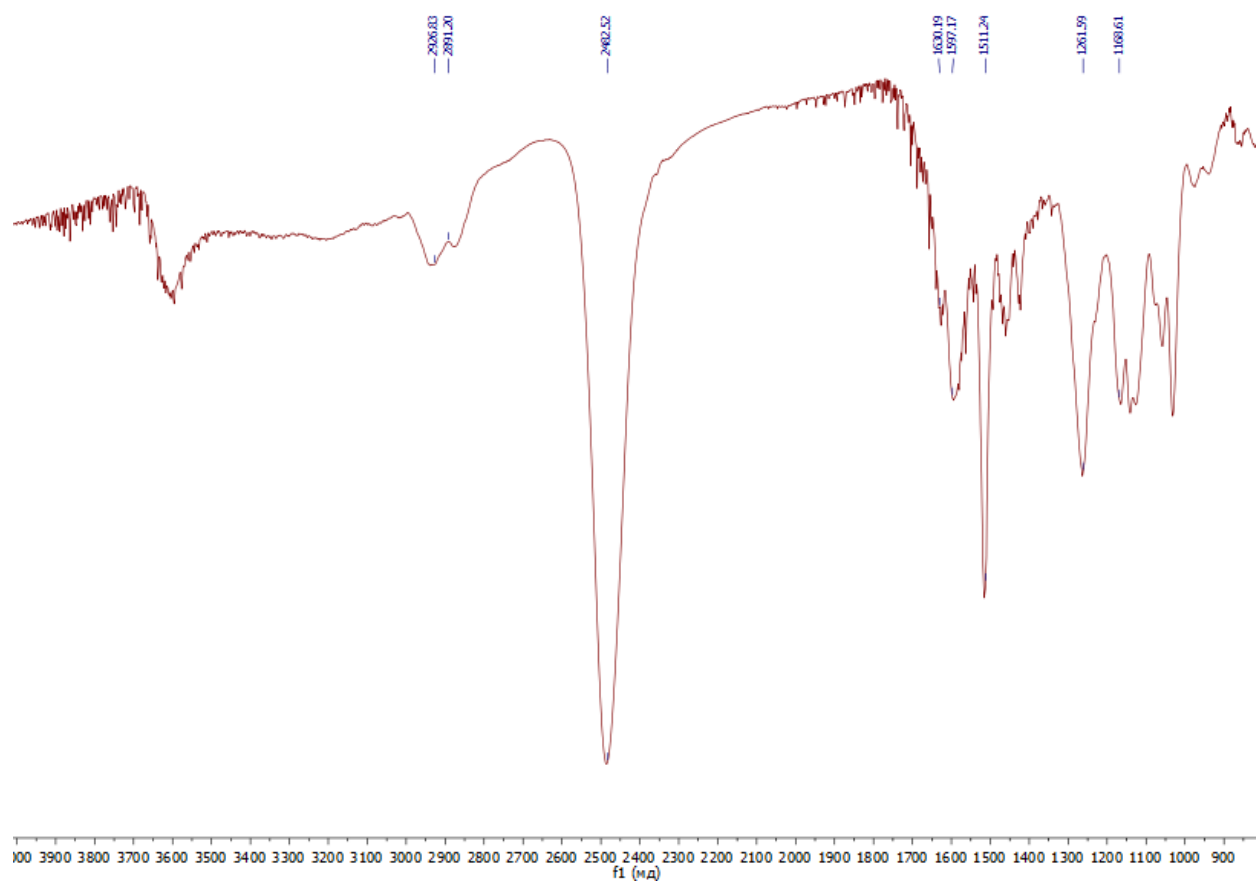


Figure S8. IR spectrum of compound 9

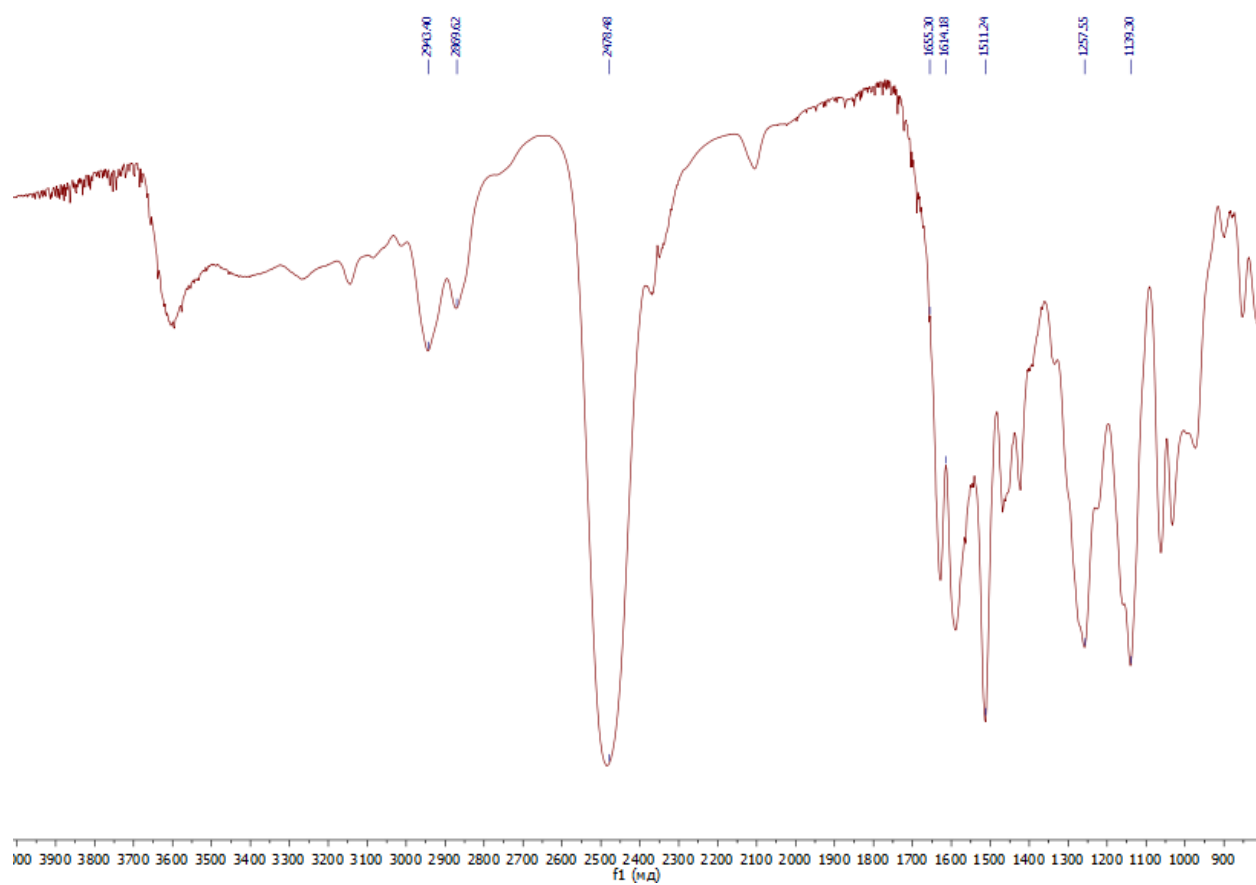


Figure S9. IR spectrum of compound 10

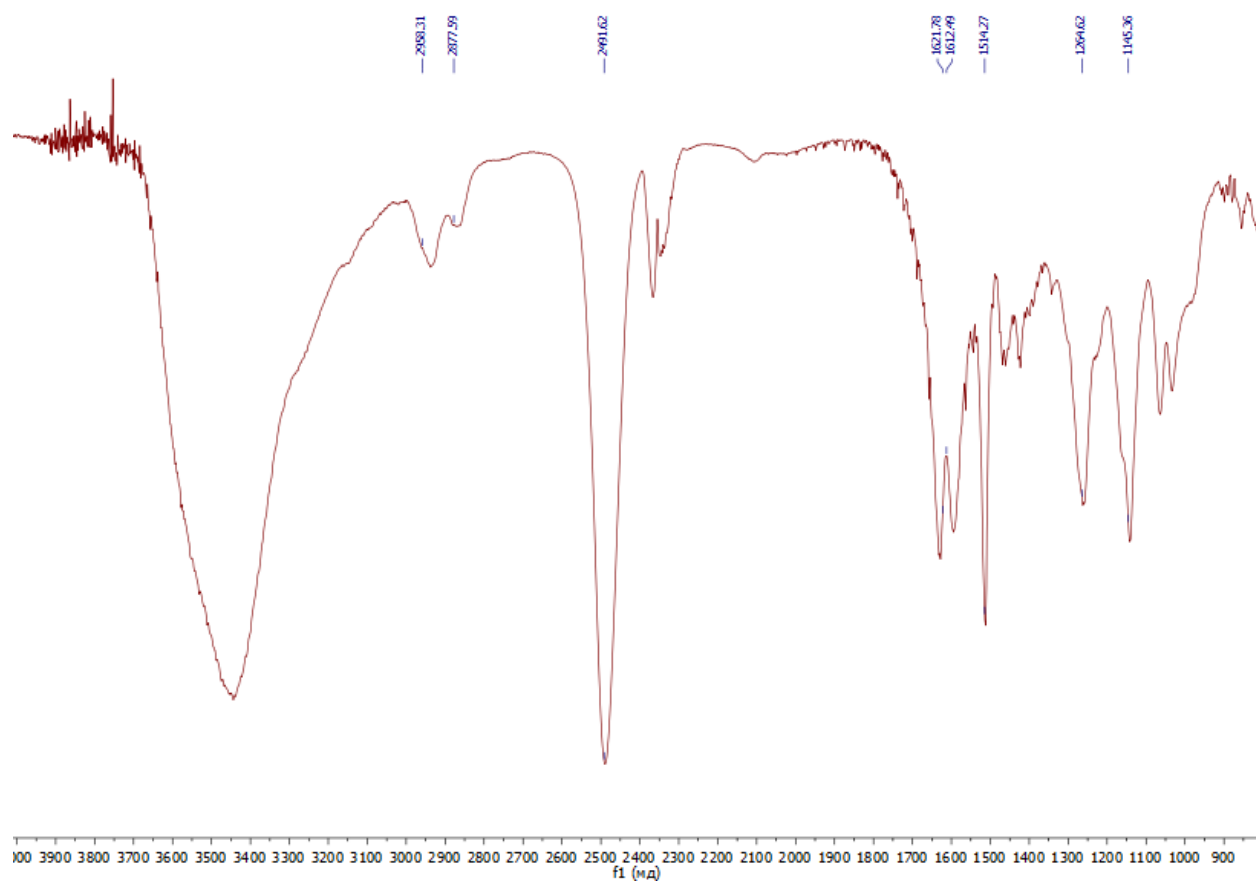


Figure S10. IR spectrum of compound 11

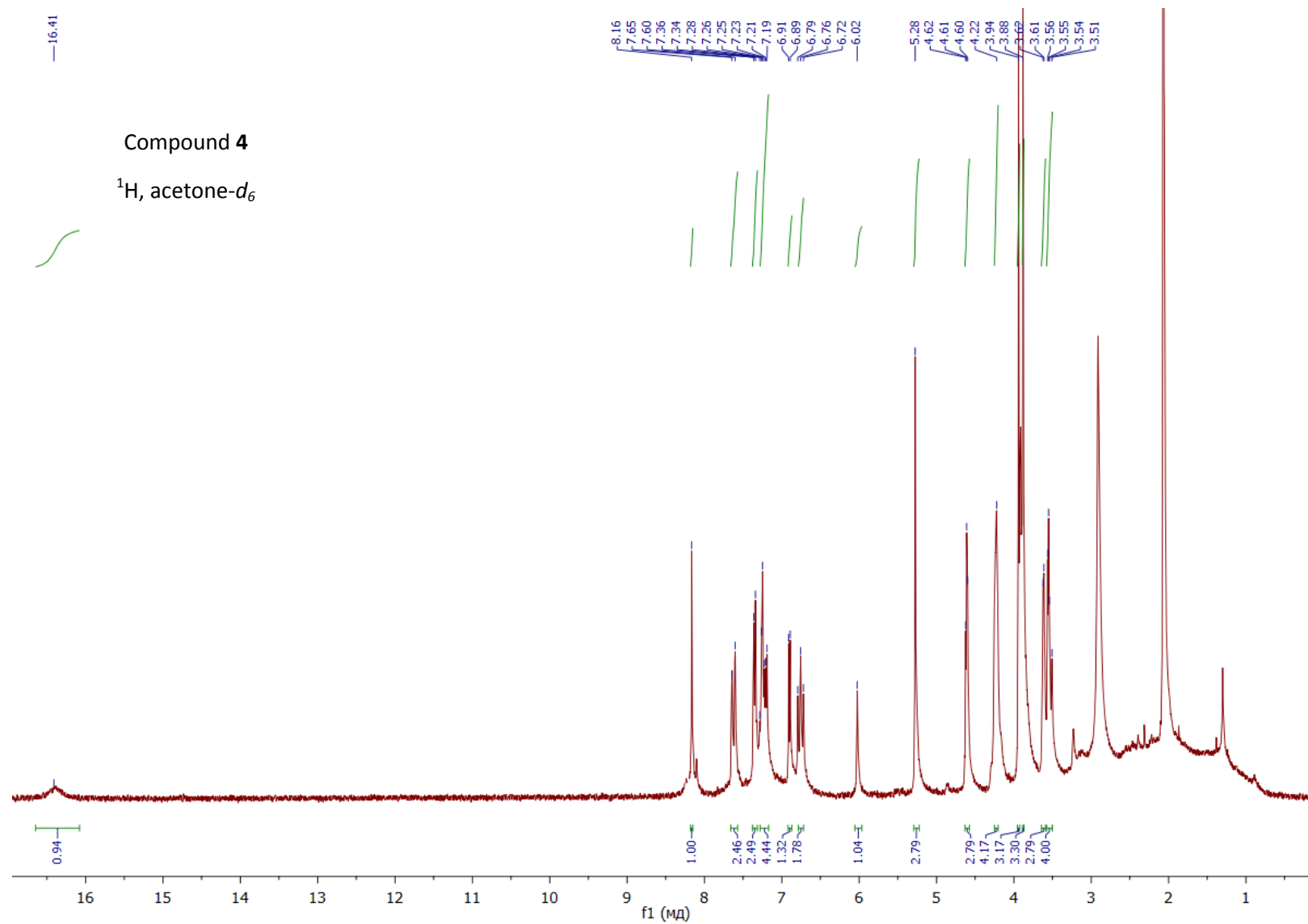


Figure S11. ^1H NMR spectrum of compound 4

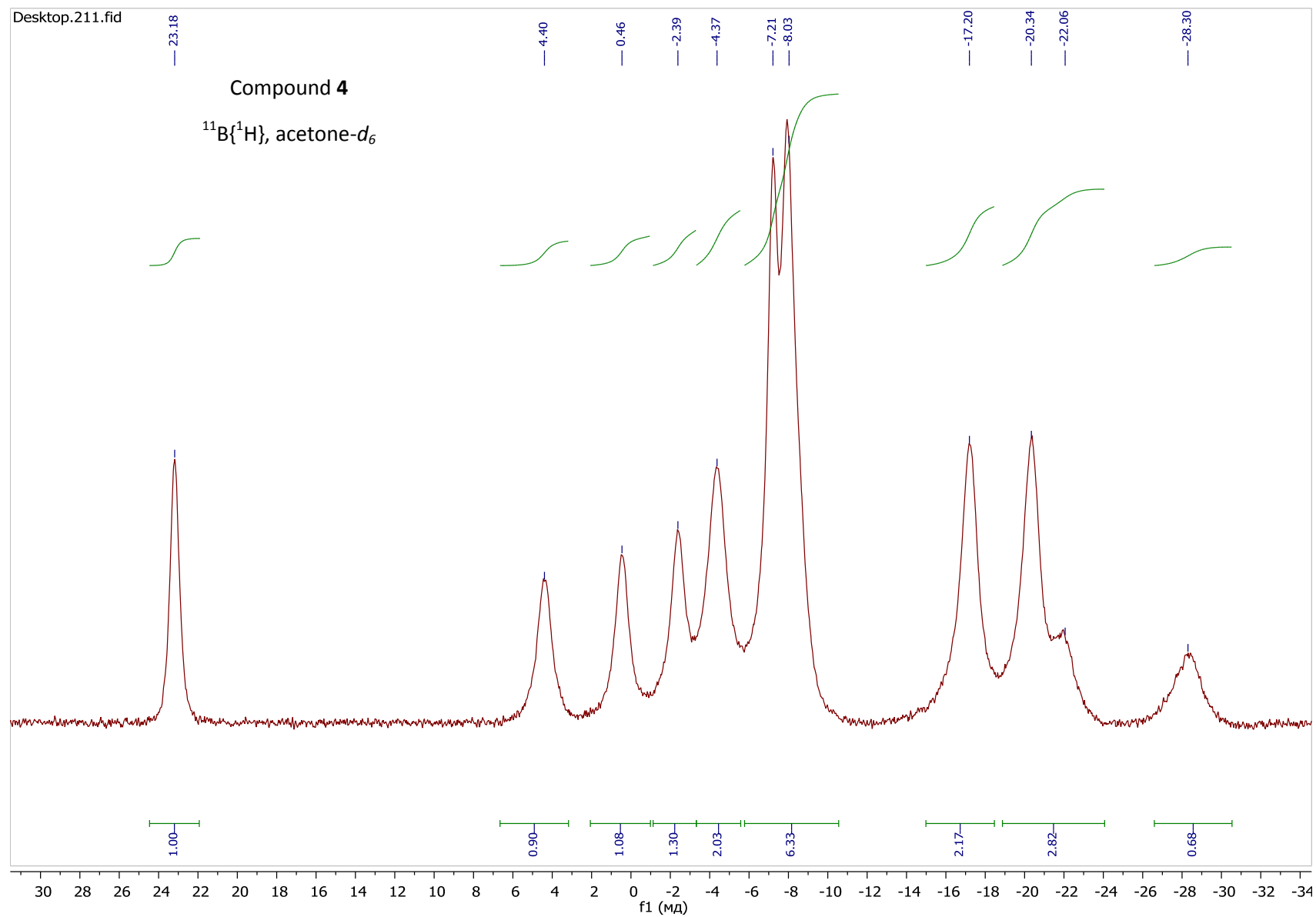


Figure S12. $^{11}\text{B}\{^1\text{H}\}$ NMR spectrum of compound 4

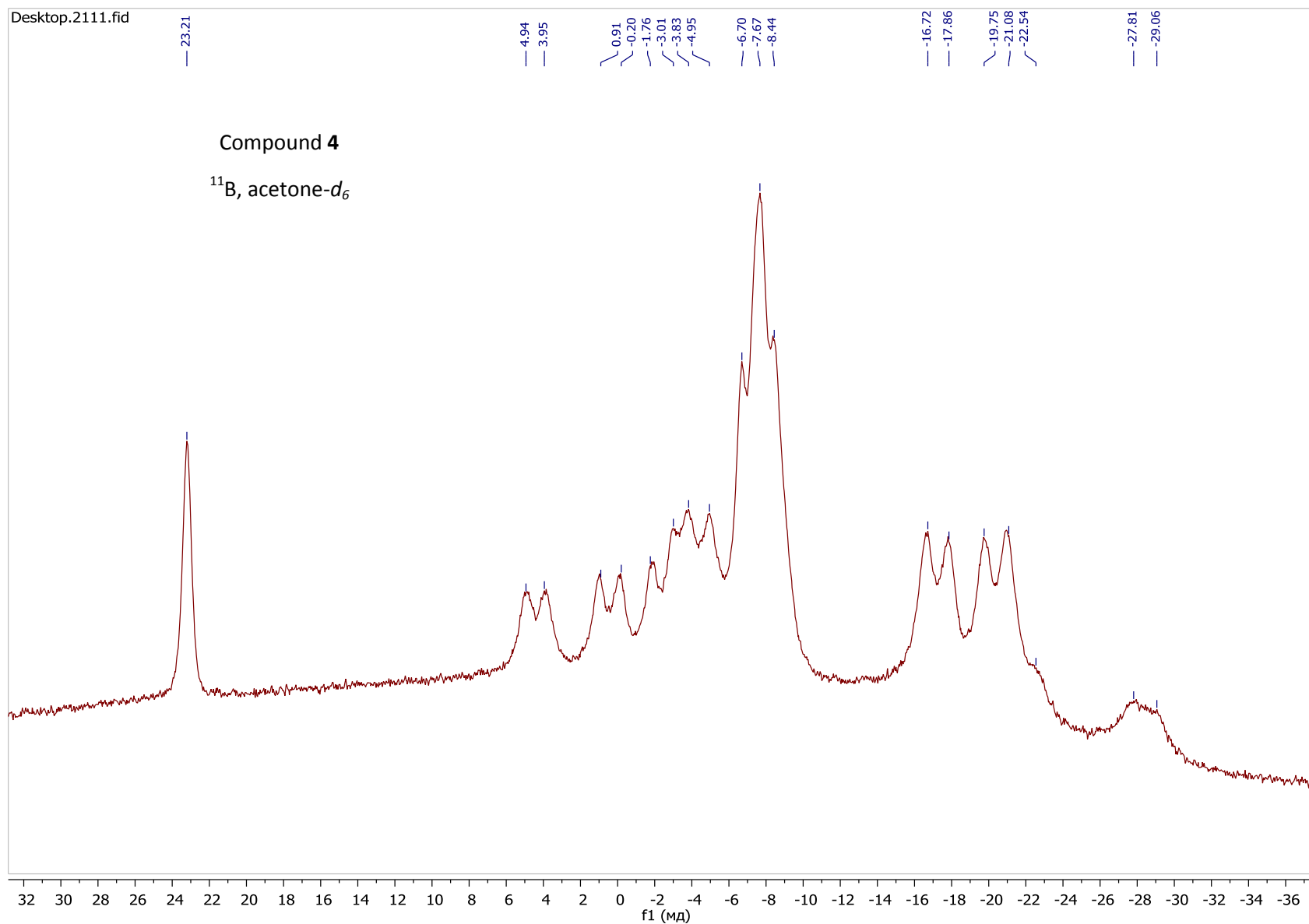


Figure S13. ^{11}B NMR spectrum of compound **4**

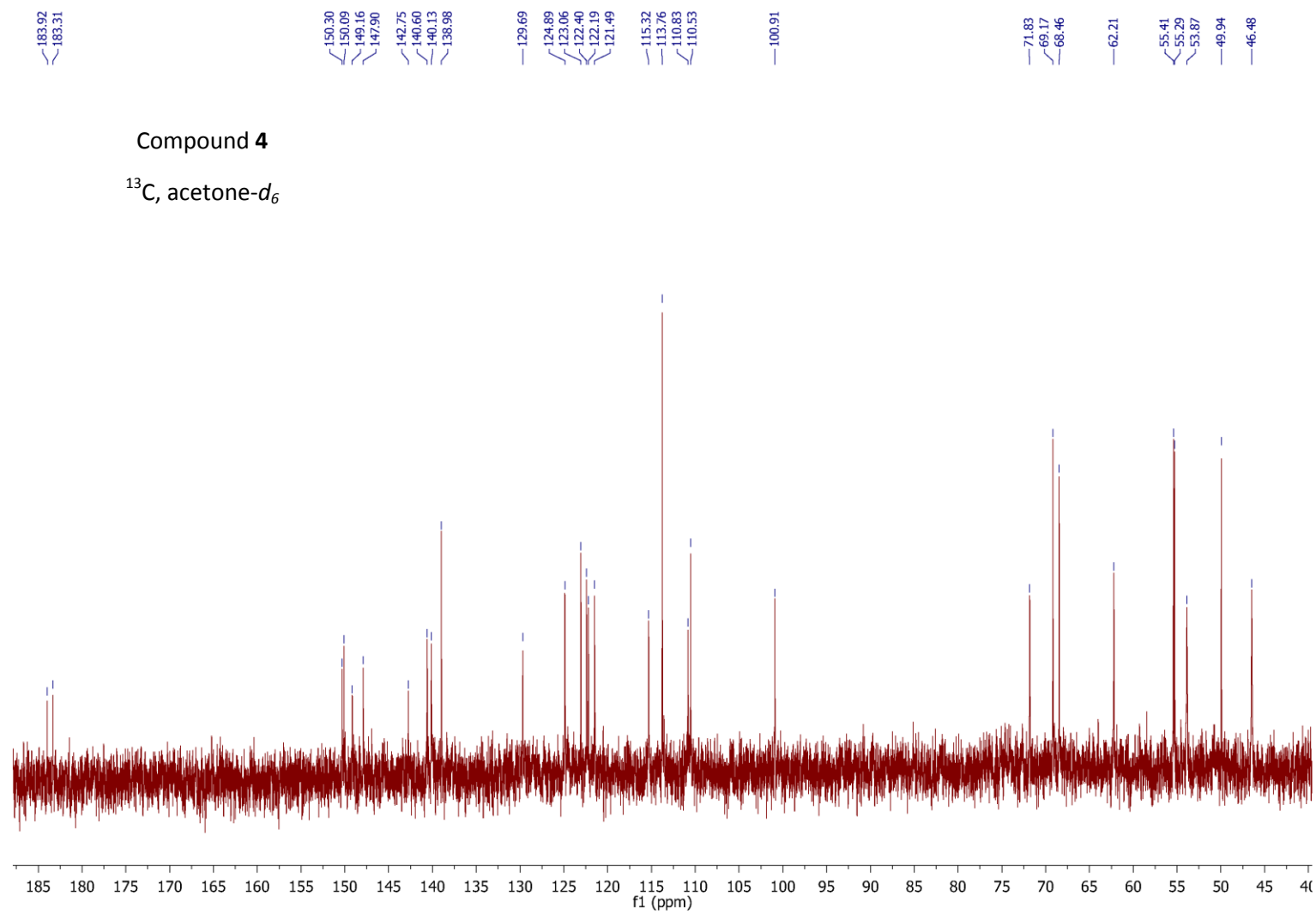


Figure S14. ^{13}C NMR spectrum of compound **4**

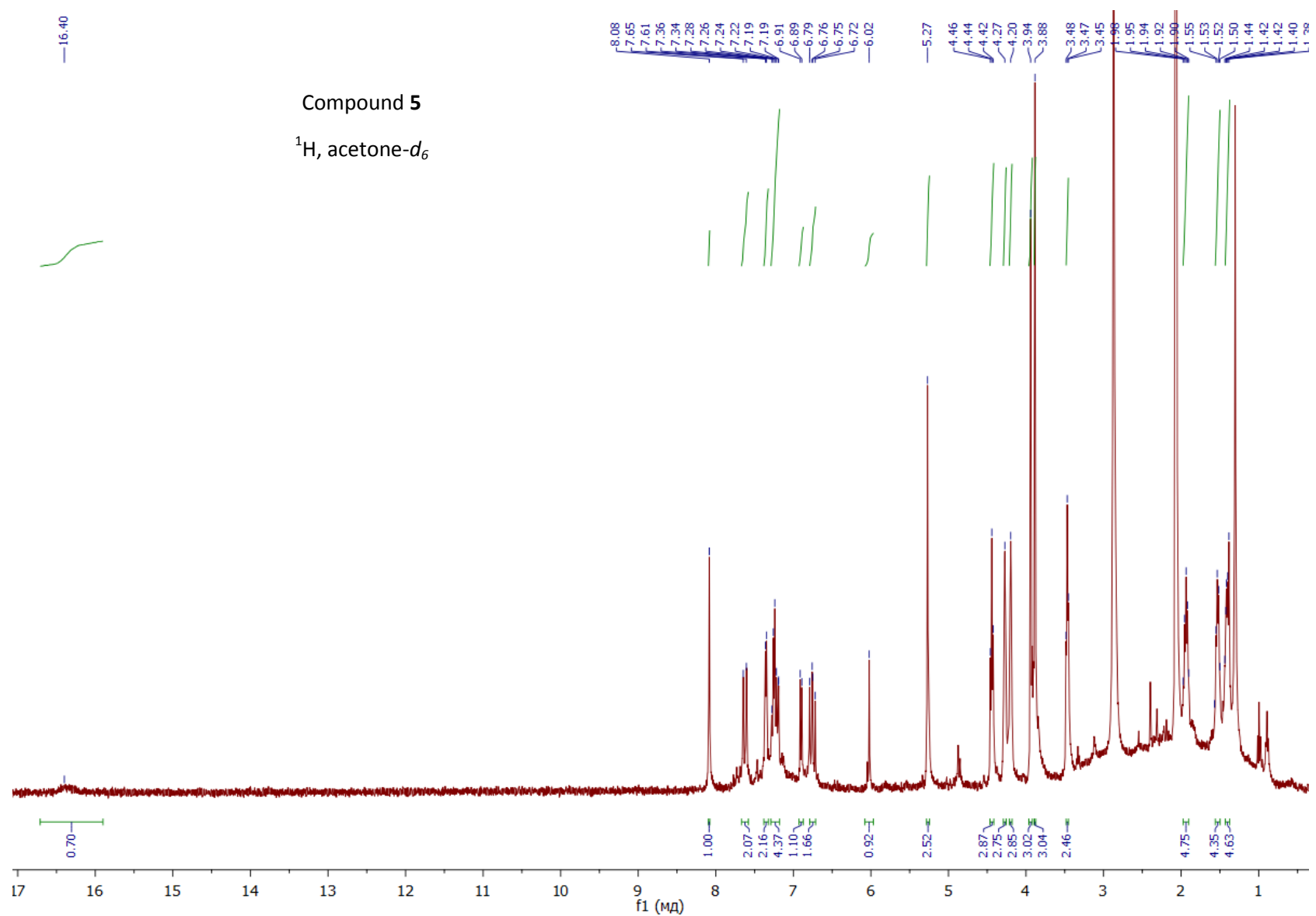


Figure S15. ^1H NMR spectrum of compound **5**

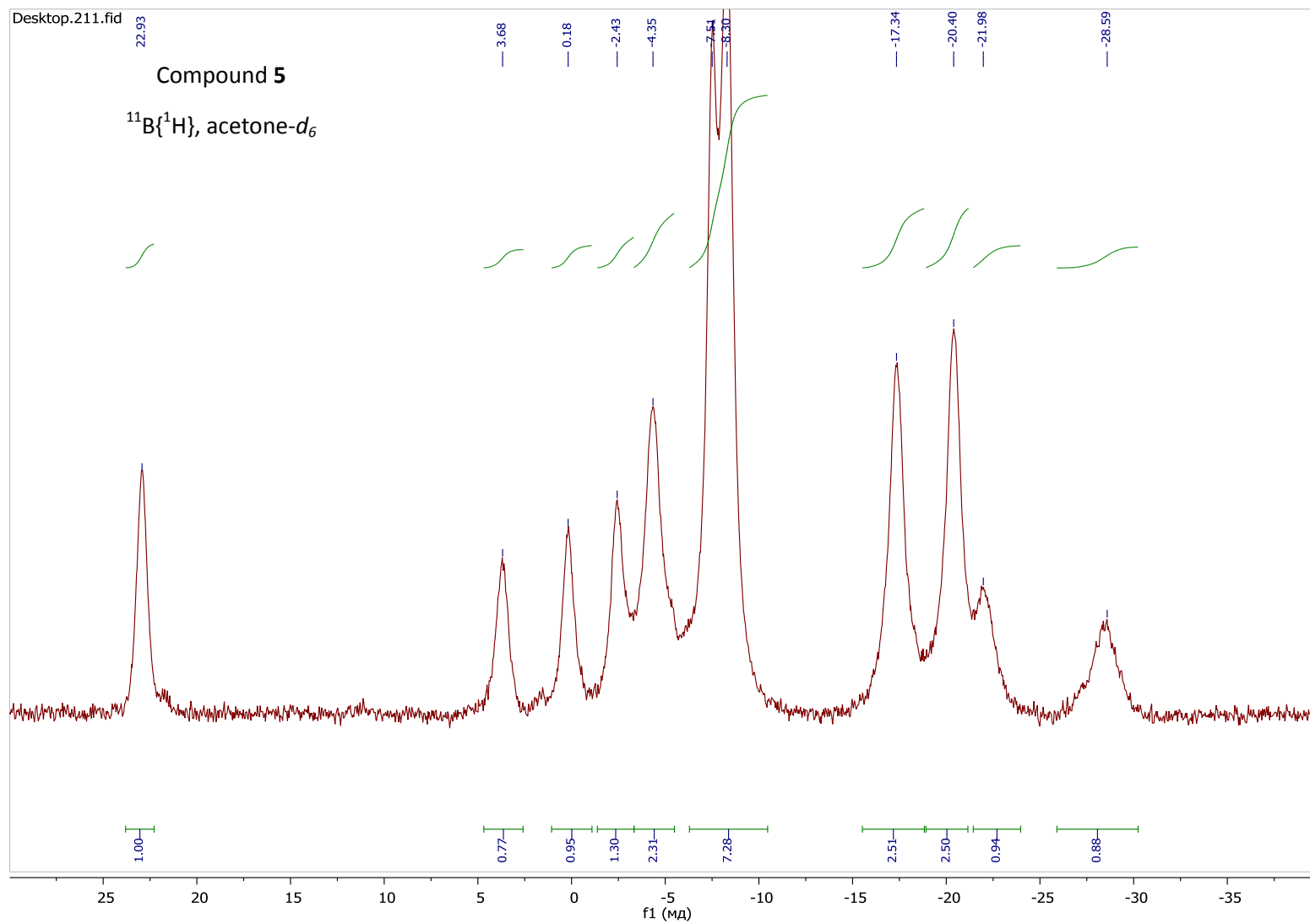


Figure S16. $^{11}\text{B}\{^1\text{H}\}$ NMR spectrum of compound 5

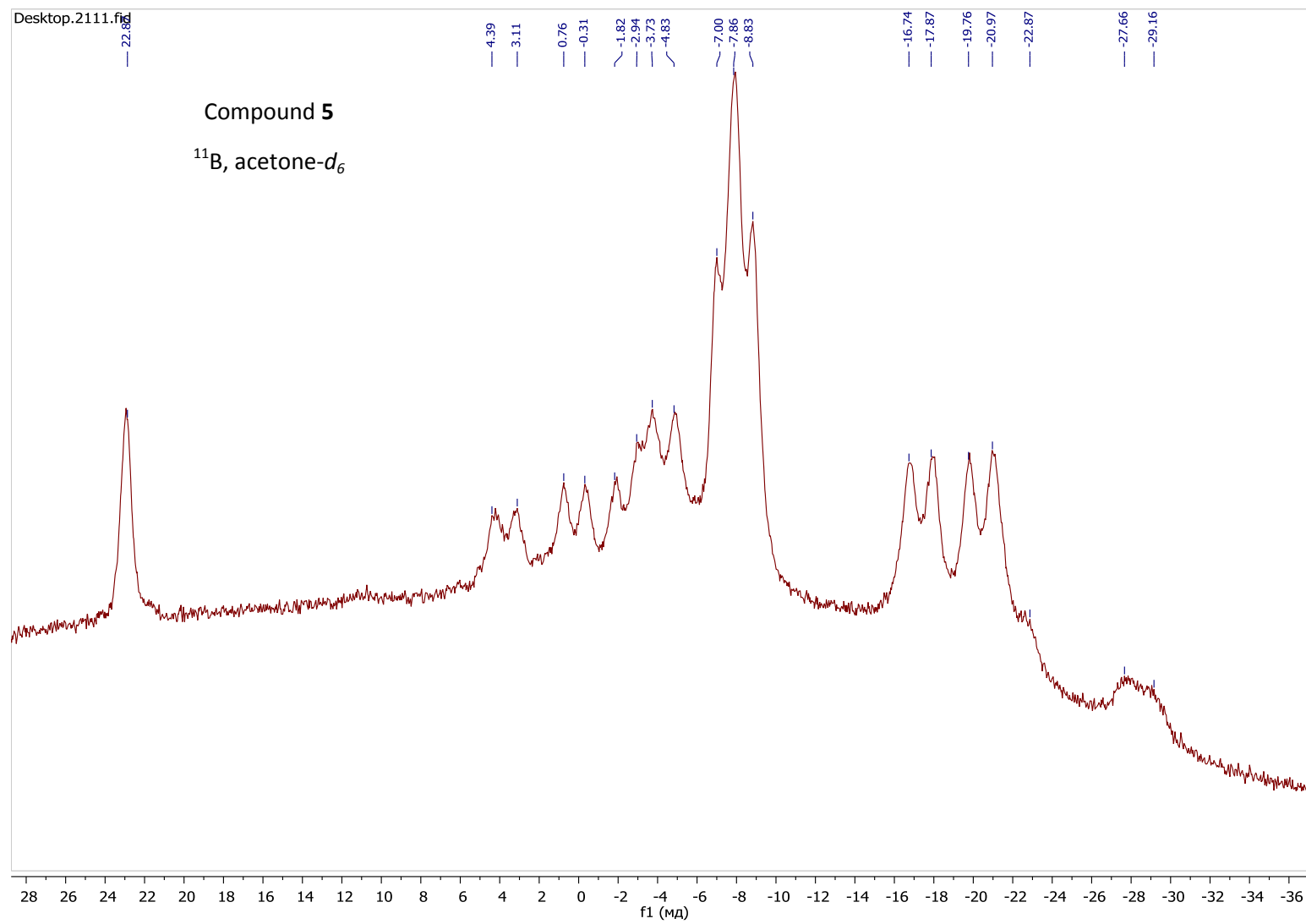


Figure S17. ^{11}B NMR spectrum of compound 5

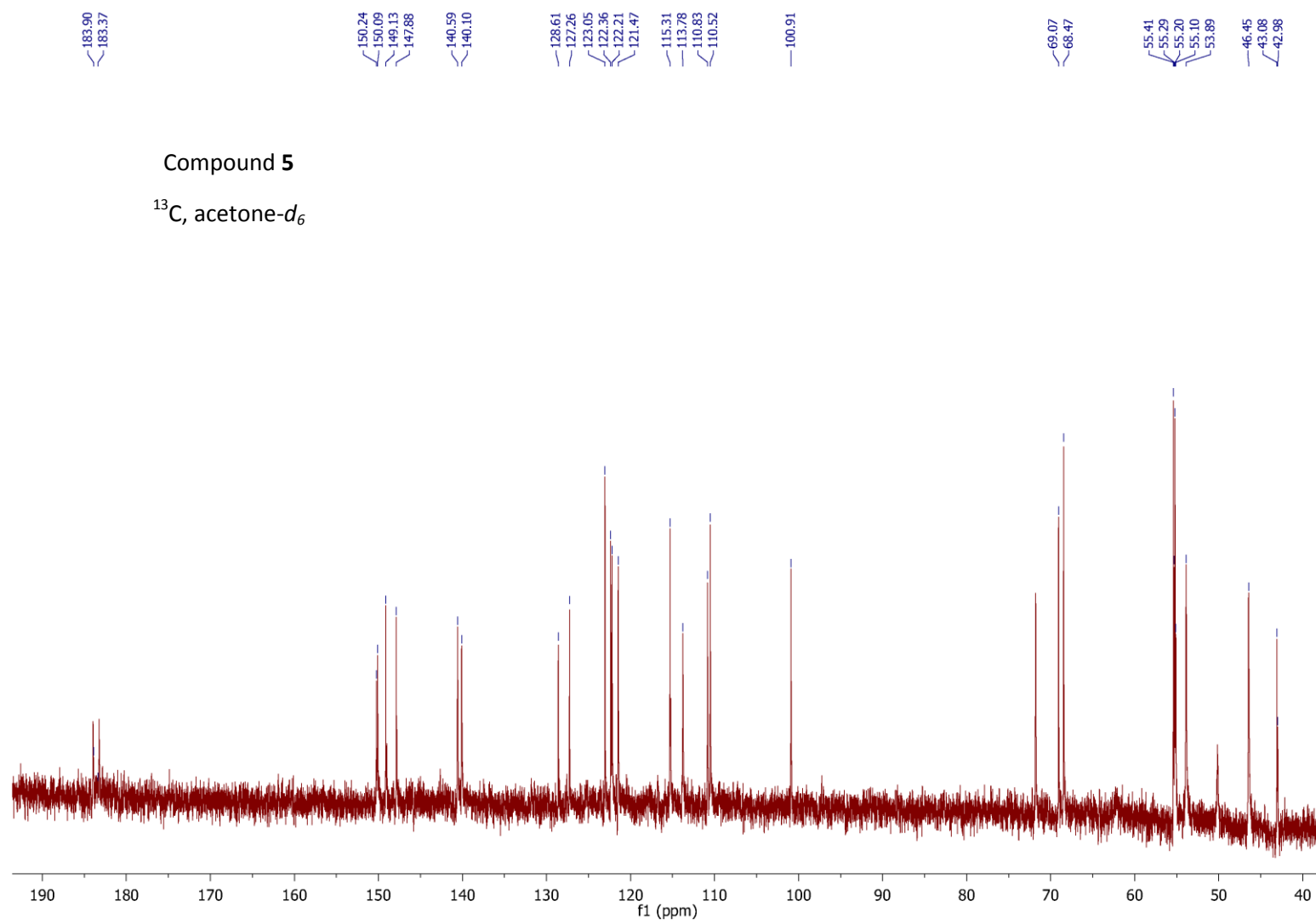


Figure S18. ^{13}C NMR spectrum of compound 5

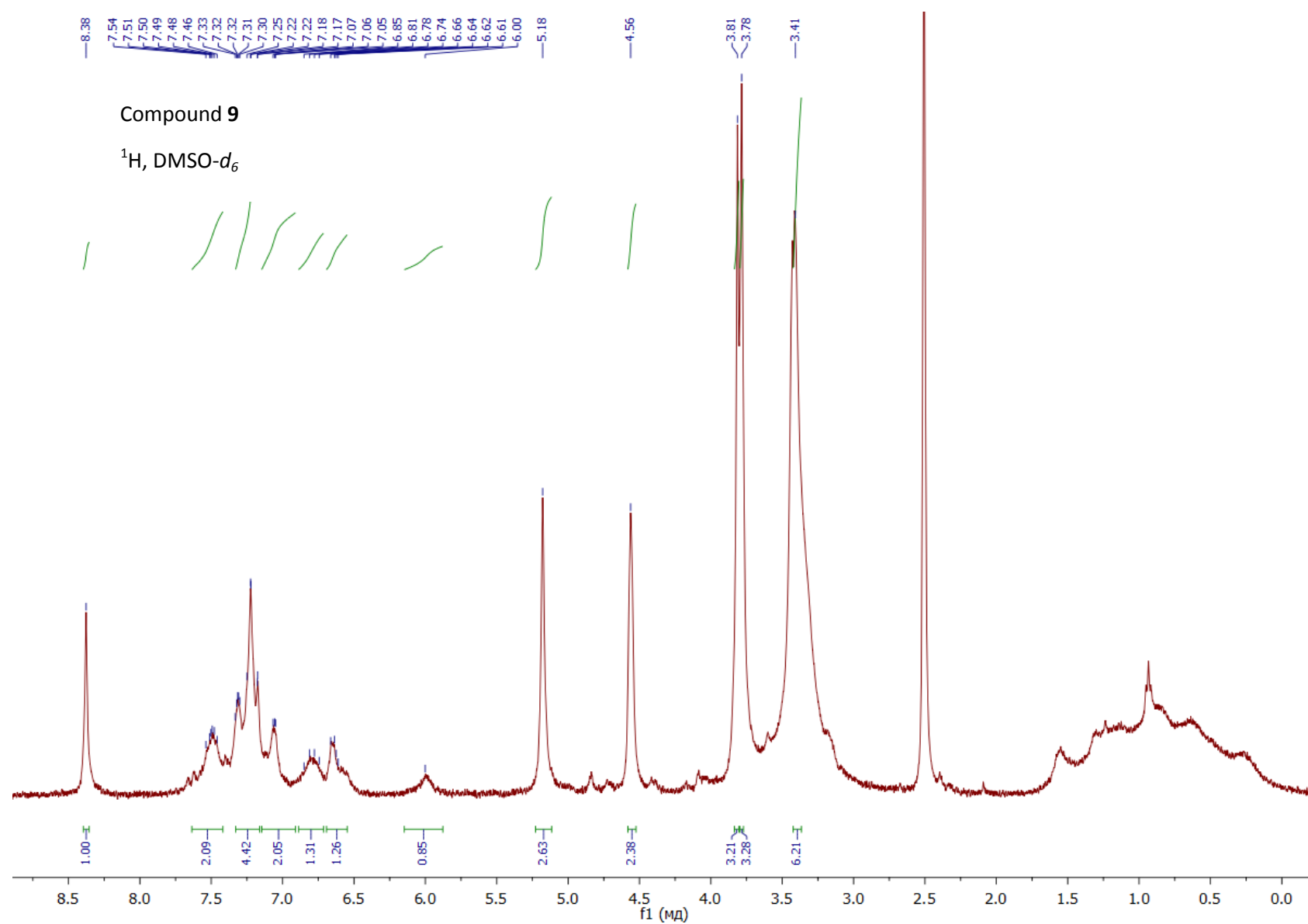


Figure S19. ^1H NMR spectrum of compound **9**

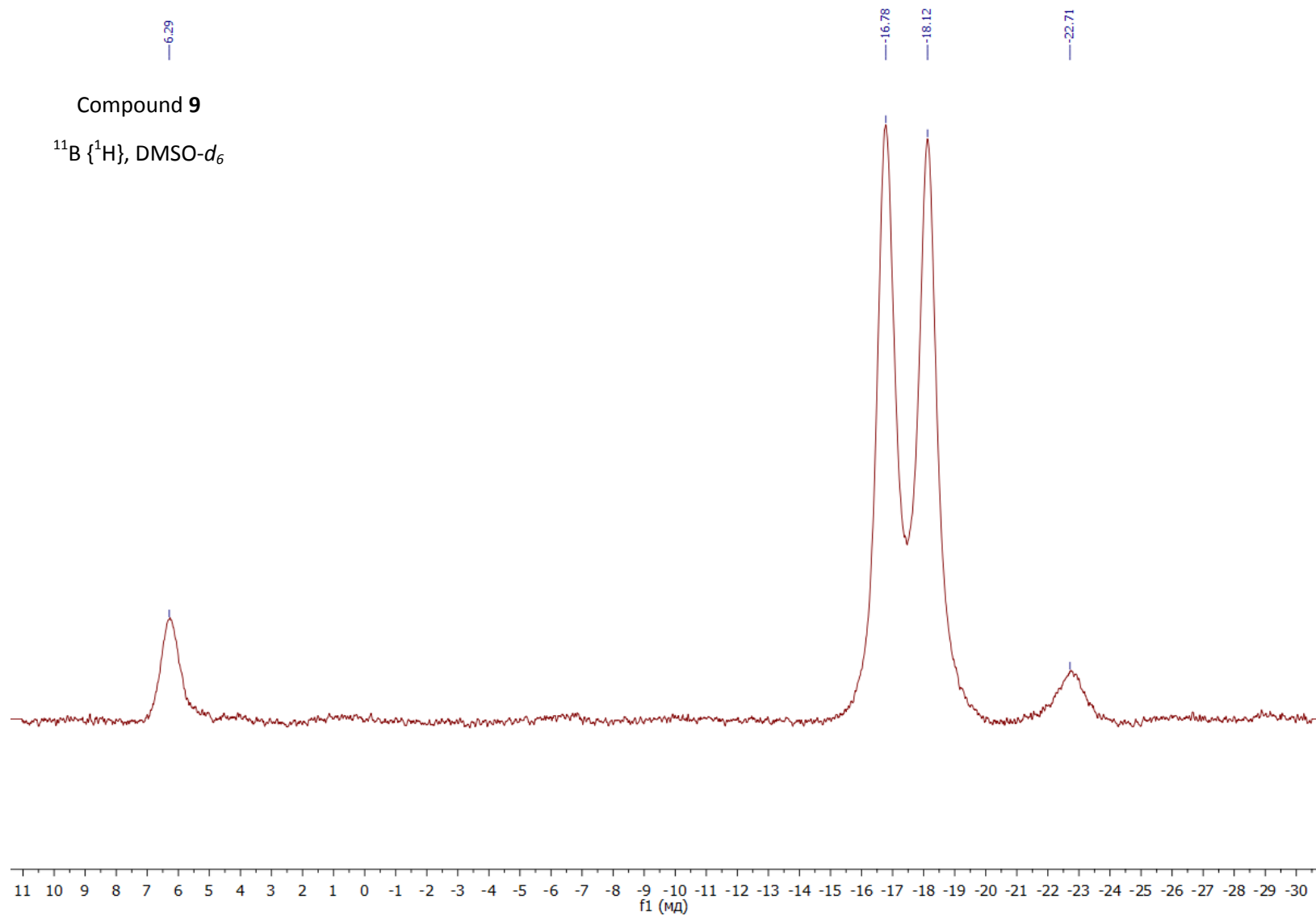


Figure S20. $^{11}\text{B}\{^1\text{H}\}$ NMR spectrum of compound **9**

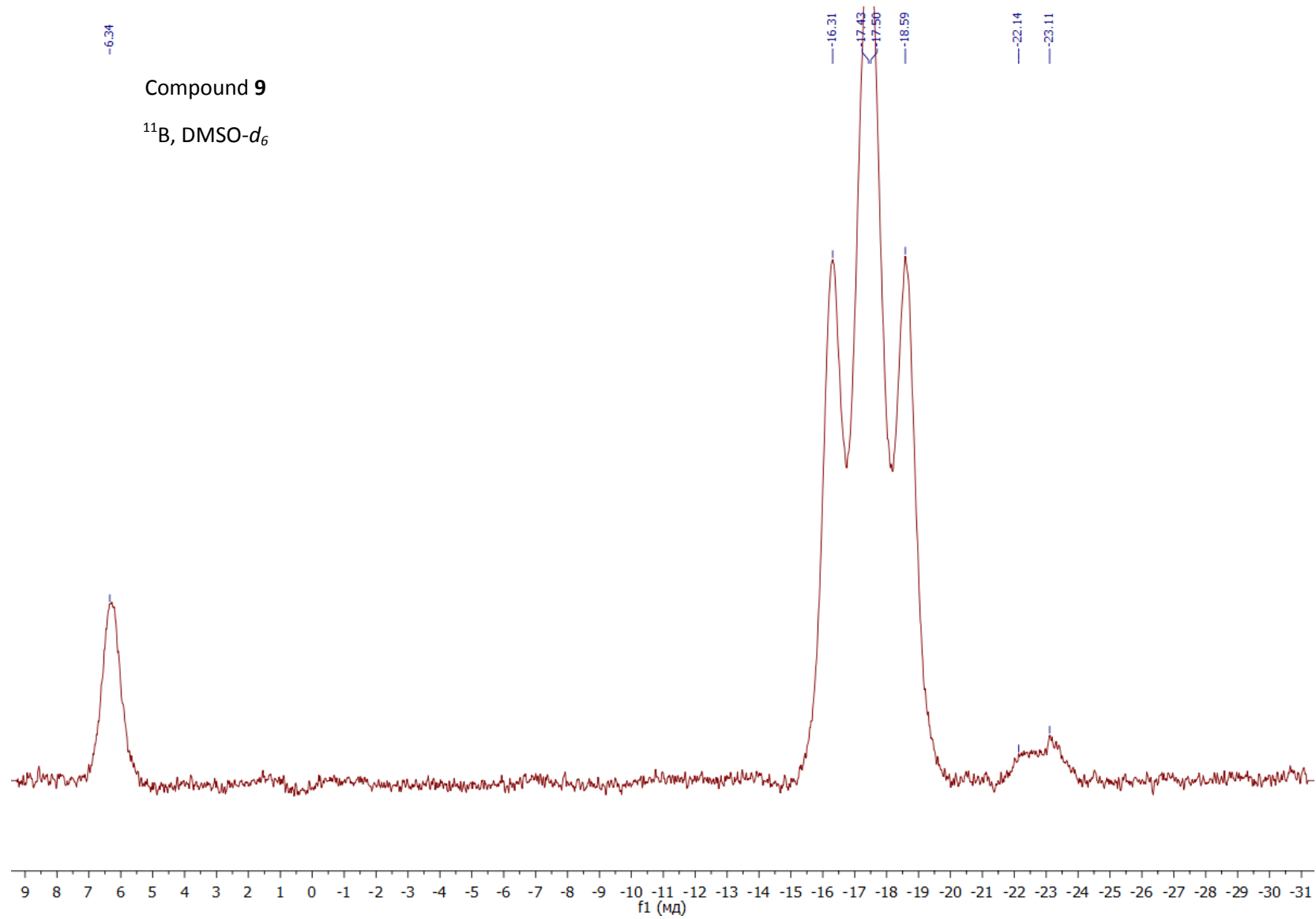


Figure S21. ^{11}B NMR spectrum of compound **9**

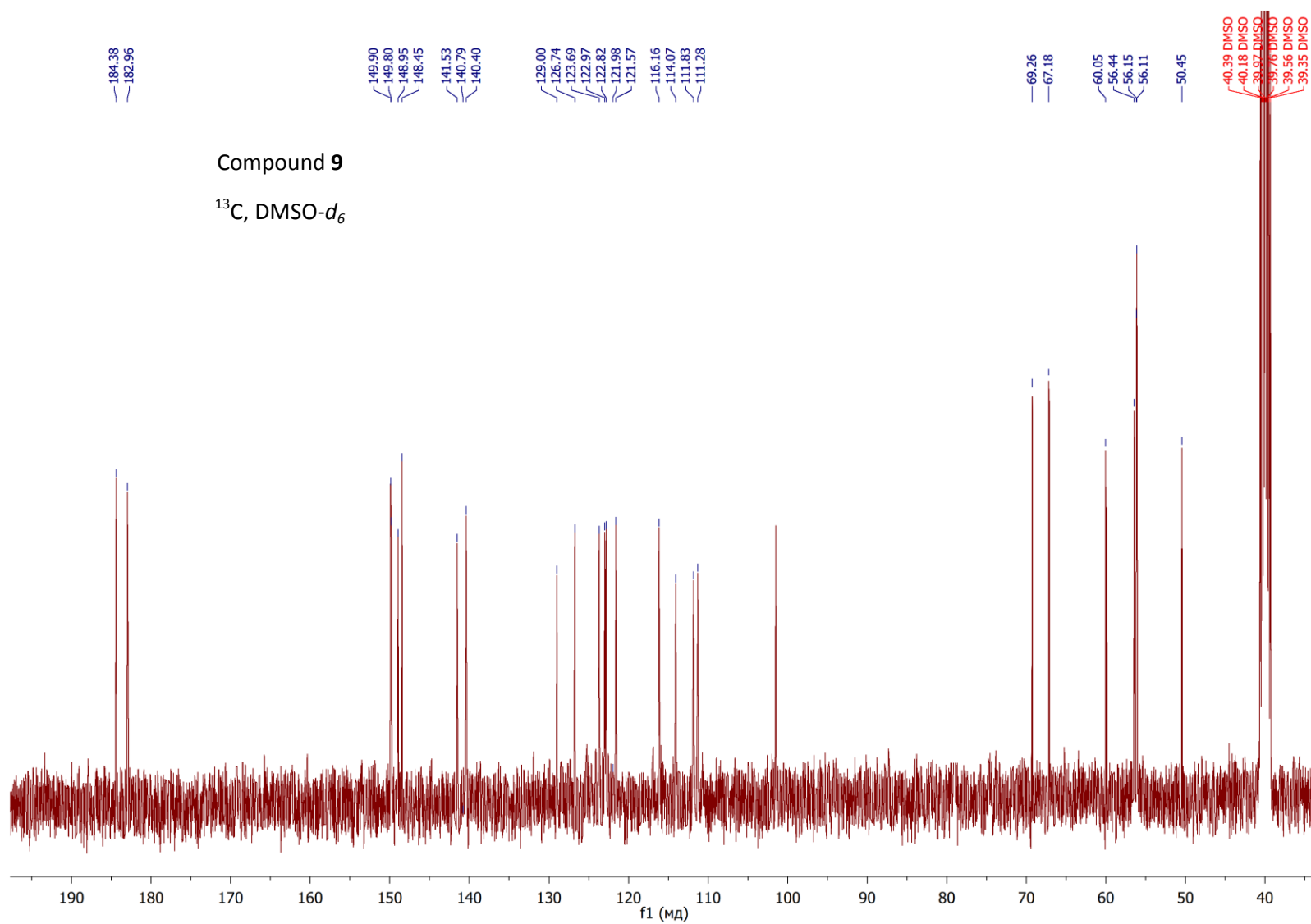


Figure S22. ^{13}C NMR spectrum of compound **9**

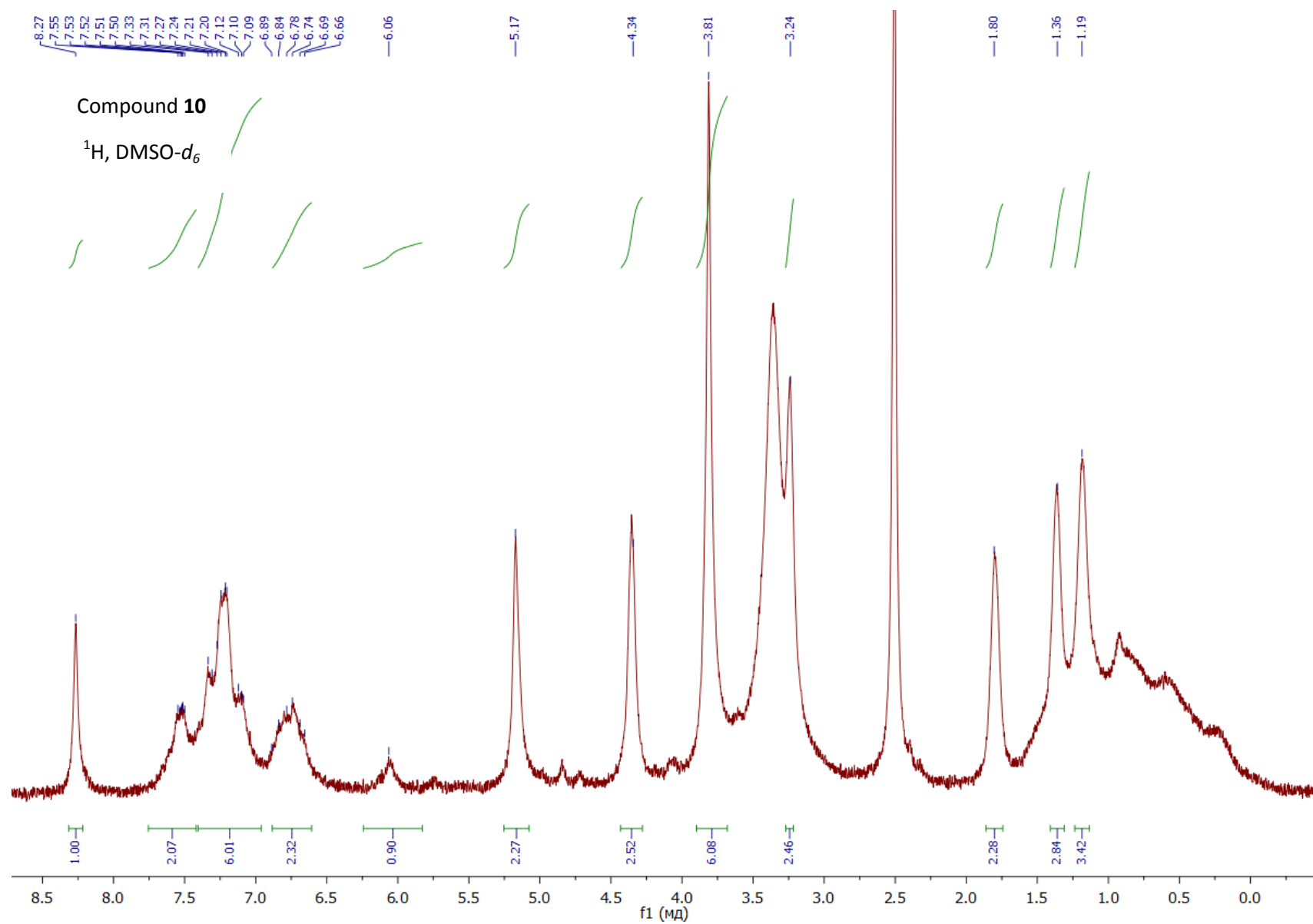


Figure S23. ^1H NMR spectrum of compound **10**

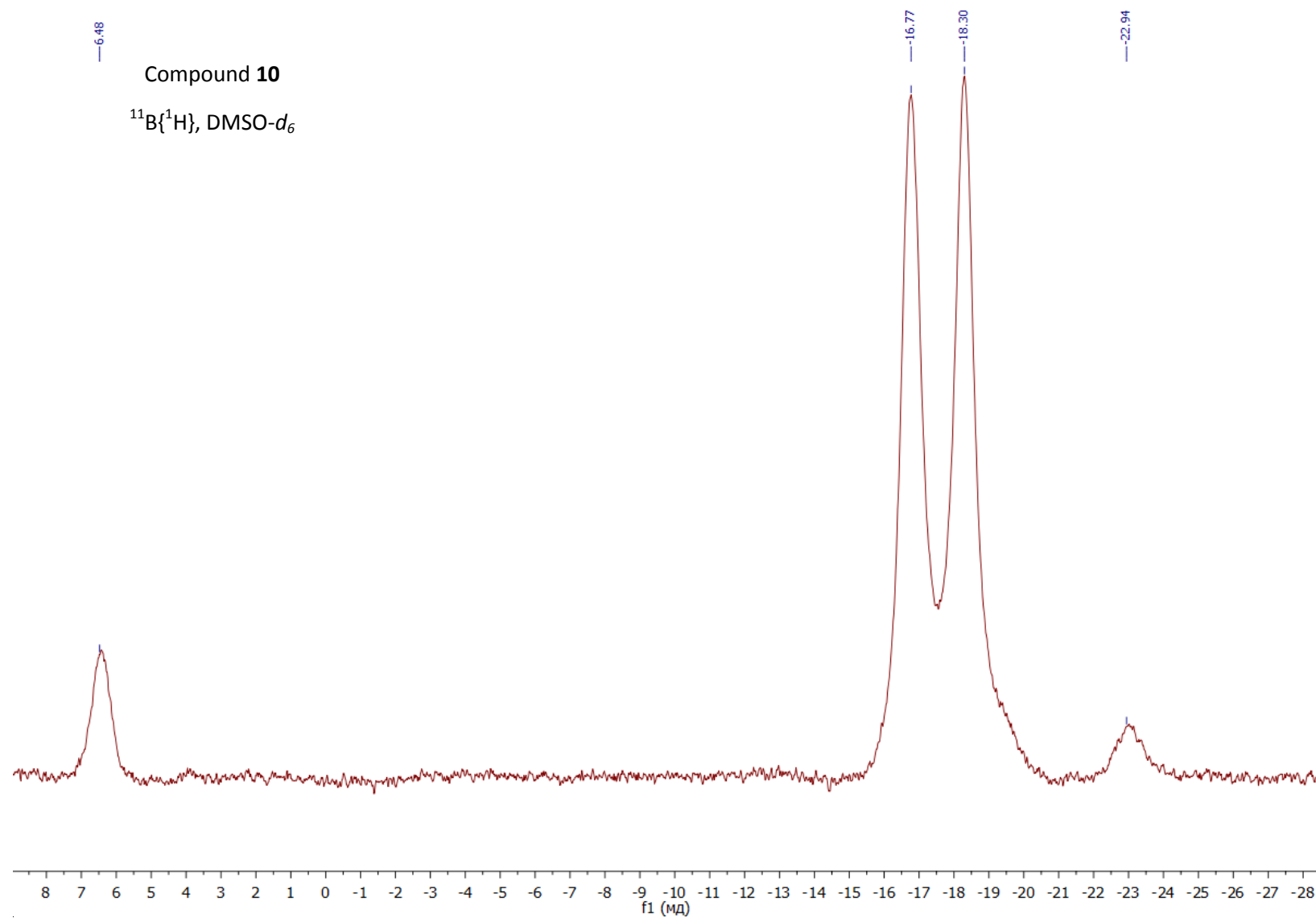


Figure S24. $^{11}\text{B}\{^1\text{H}\}$ NMR spectrum of compound **10**

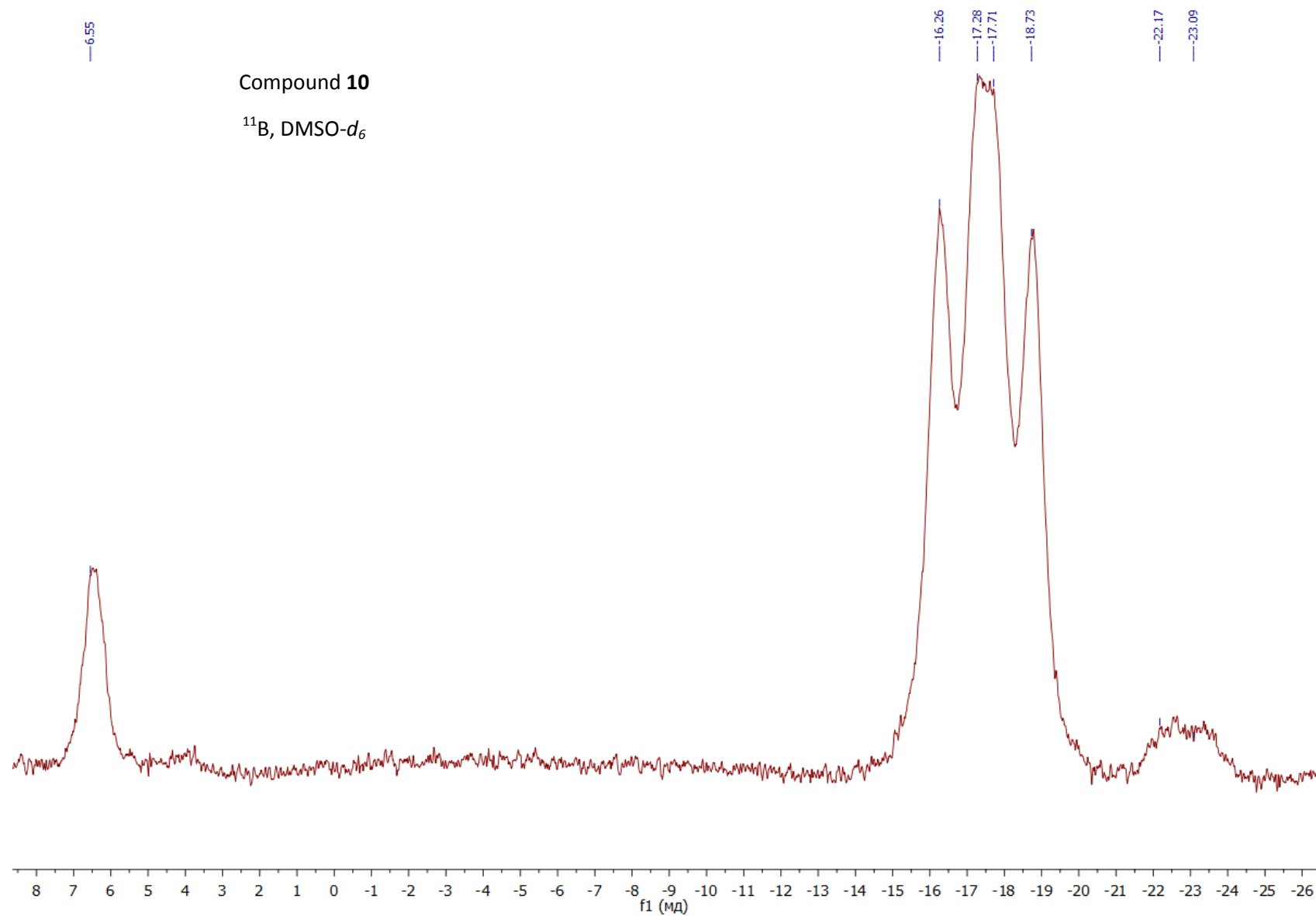


Figure S25. ^{11}B NMR spectrum of compound **10**

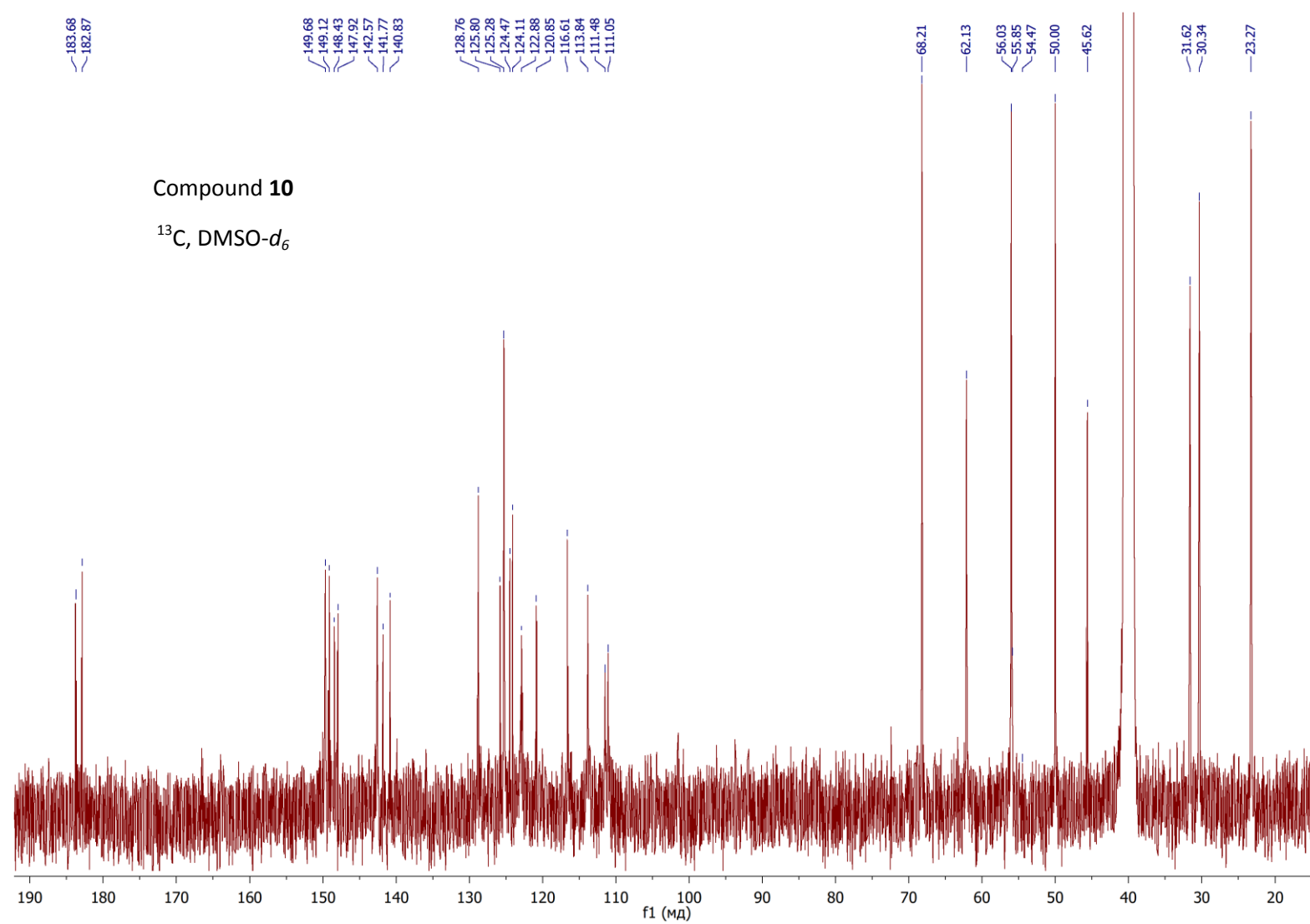


Figure S26. ^{13}C NMR spectrum of compound **10**

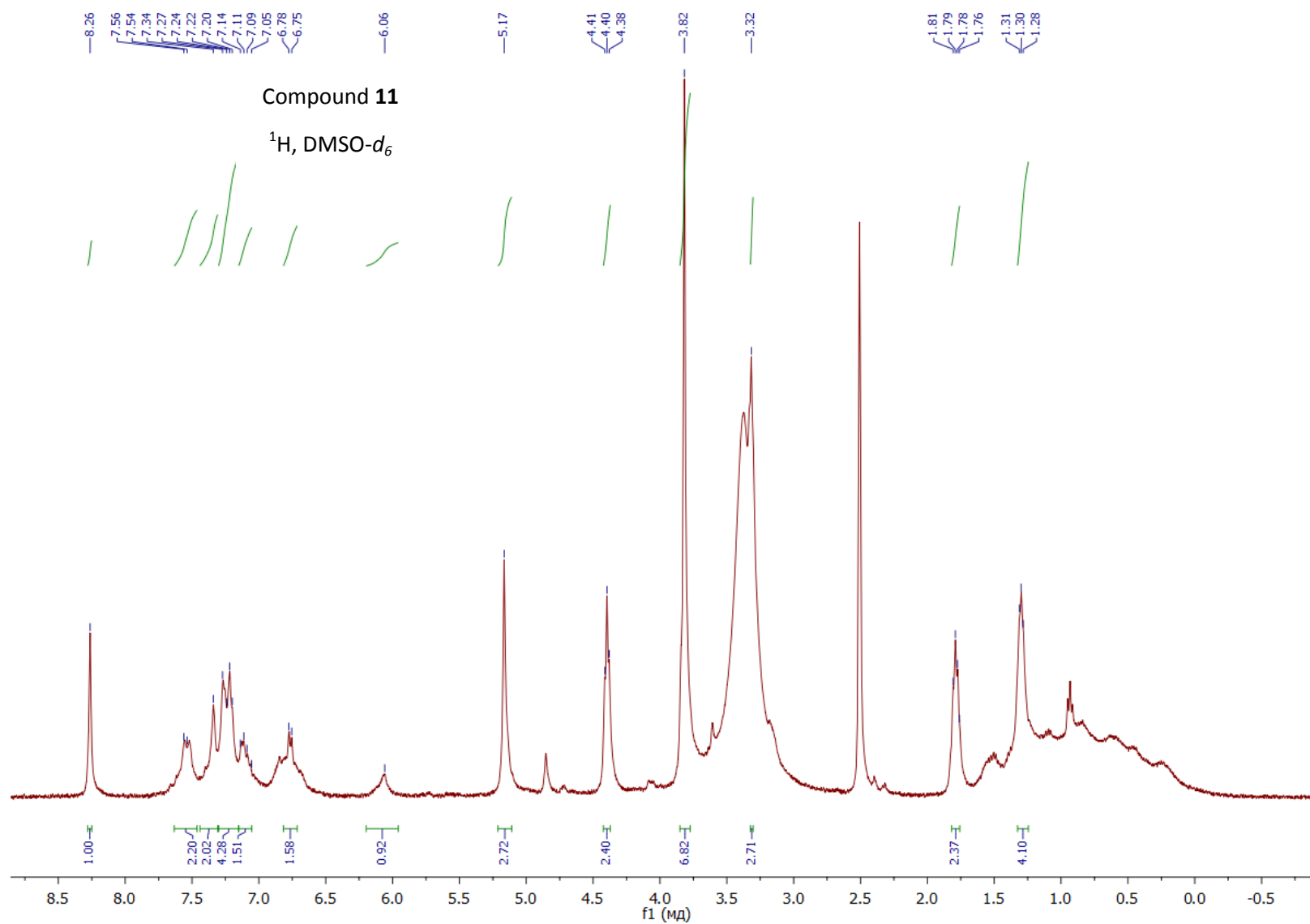


Figure S27. ^1H NMR spectrum of compound **11**

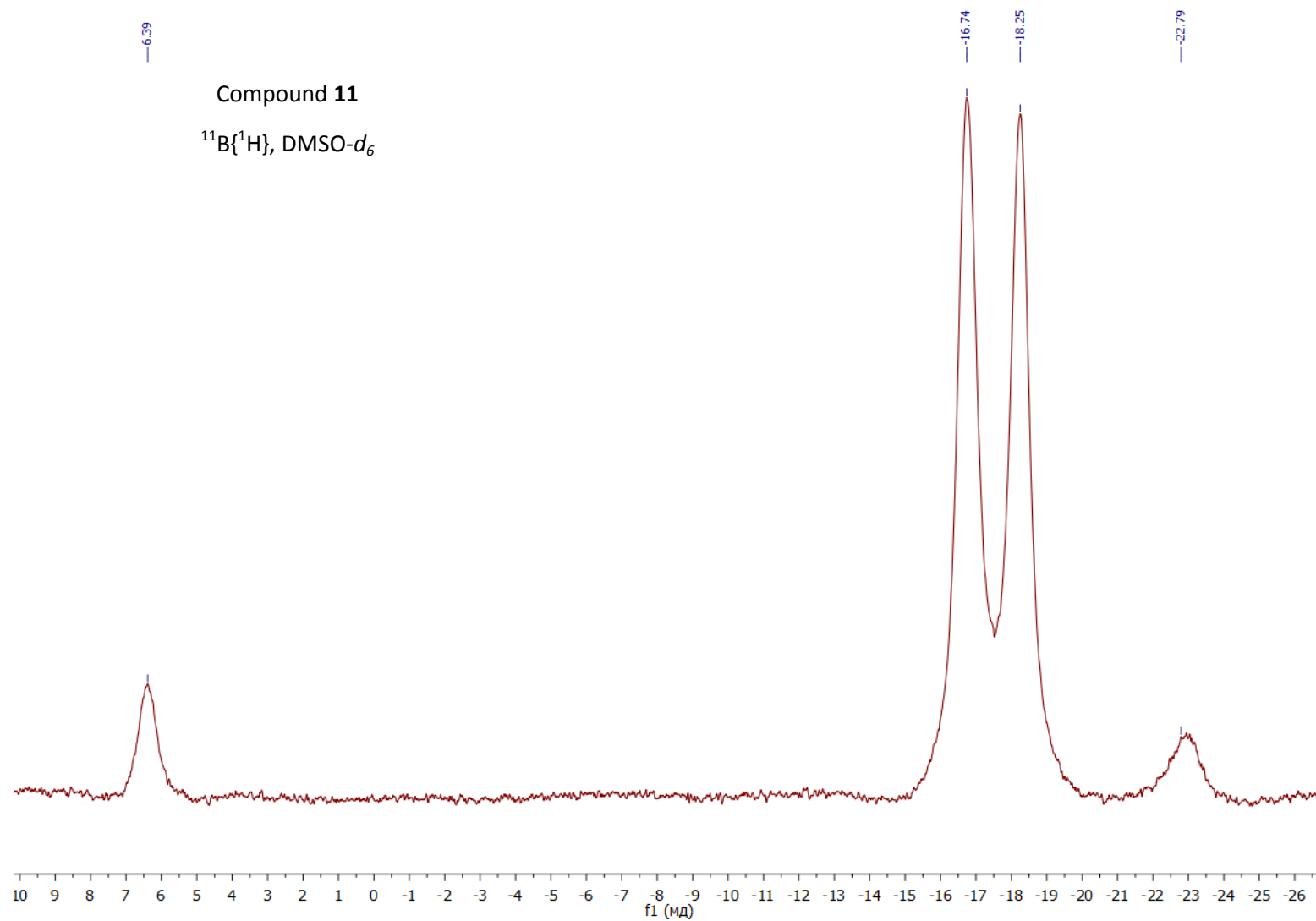


Figure S28. $^{11}\text{B}\{^1\text{H}\}$ NMR spectrum of compound **11**

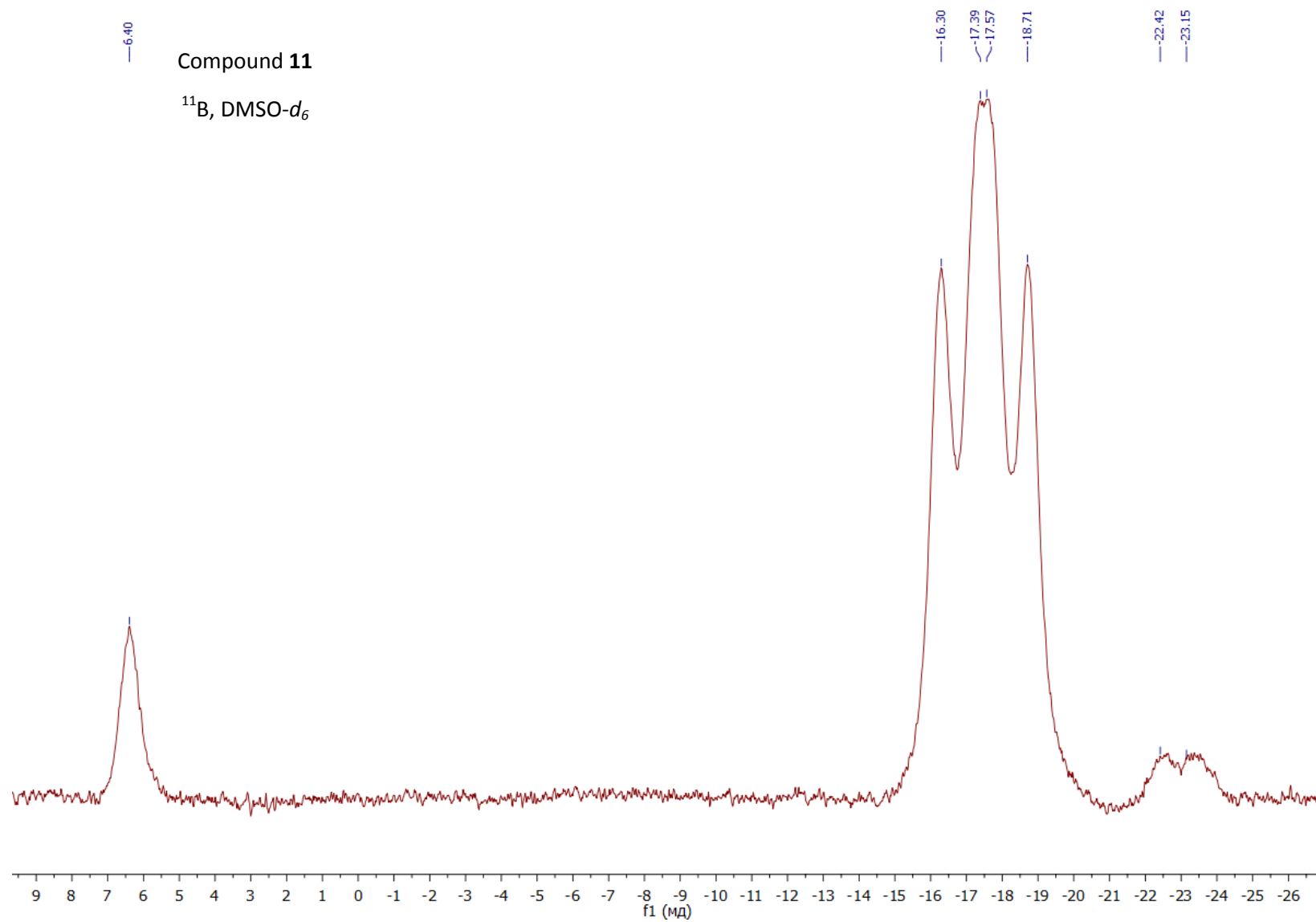


Figure S29. ^{11}B NMR spectrum of compound **11**

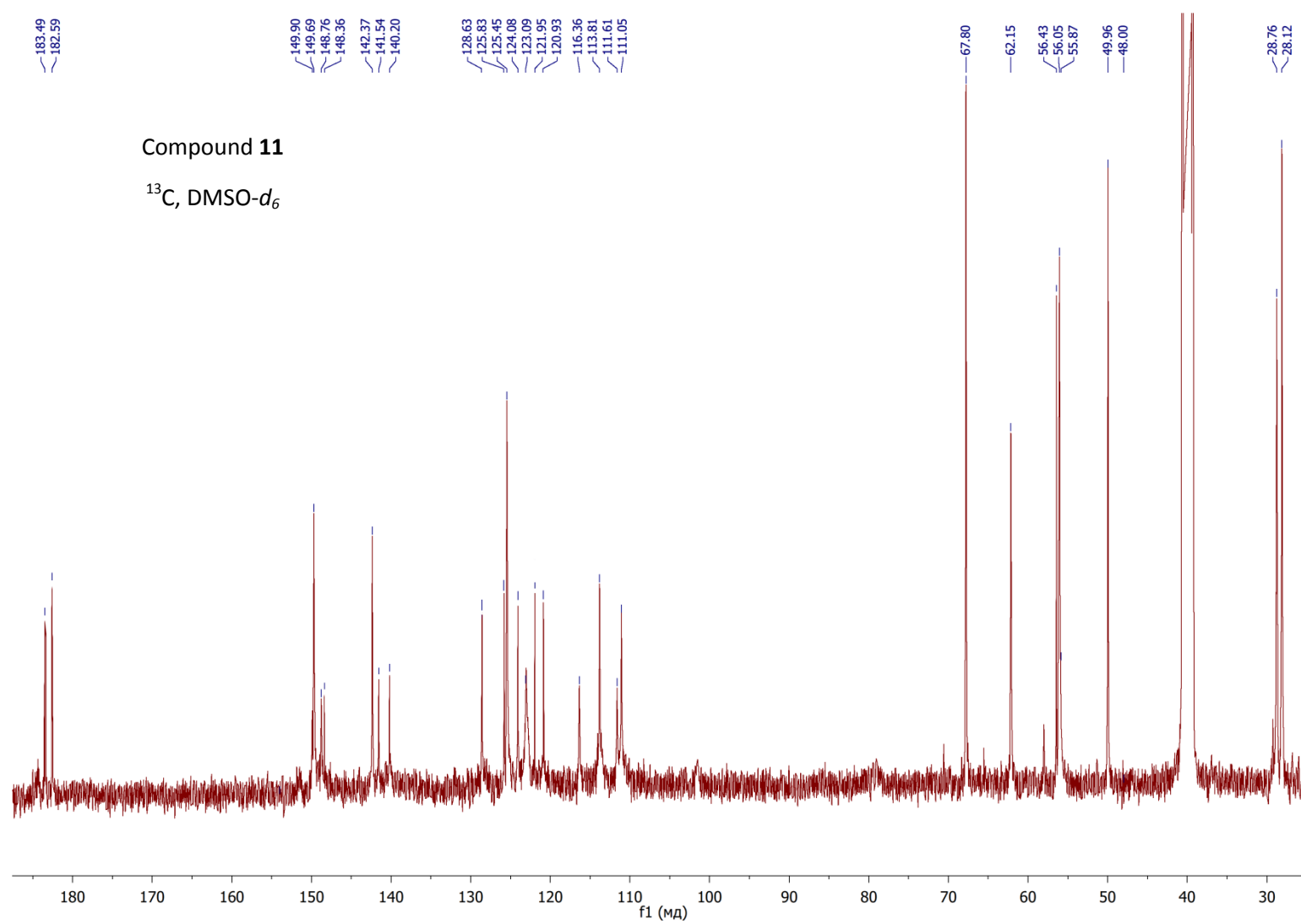


Figure S30. ^{13}C NMR spectrum of compound **11**