

Supporting information

Precursor-directed biosynthesis of micacocidin derivatives with activity against *Mycoplasma pneumoniae*

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Figure S1. *In vitro* specificity of the MicC-FAAL domain towards natural and unnatural substrates, as determined by the ATP-[³²P]-pyrophosphate exchange assay. {extended screening}

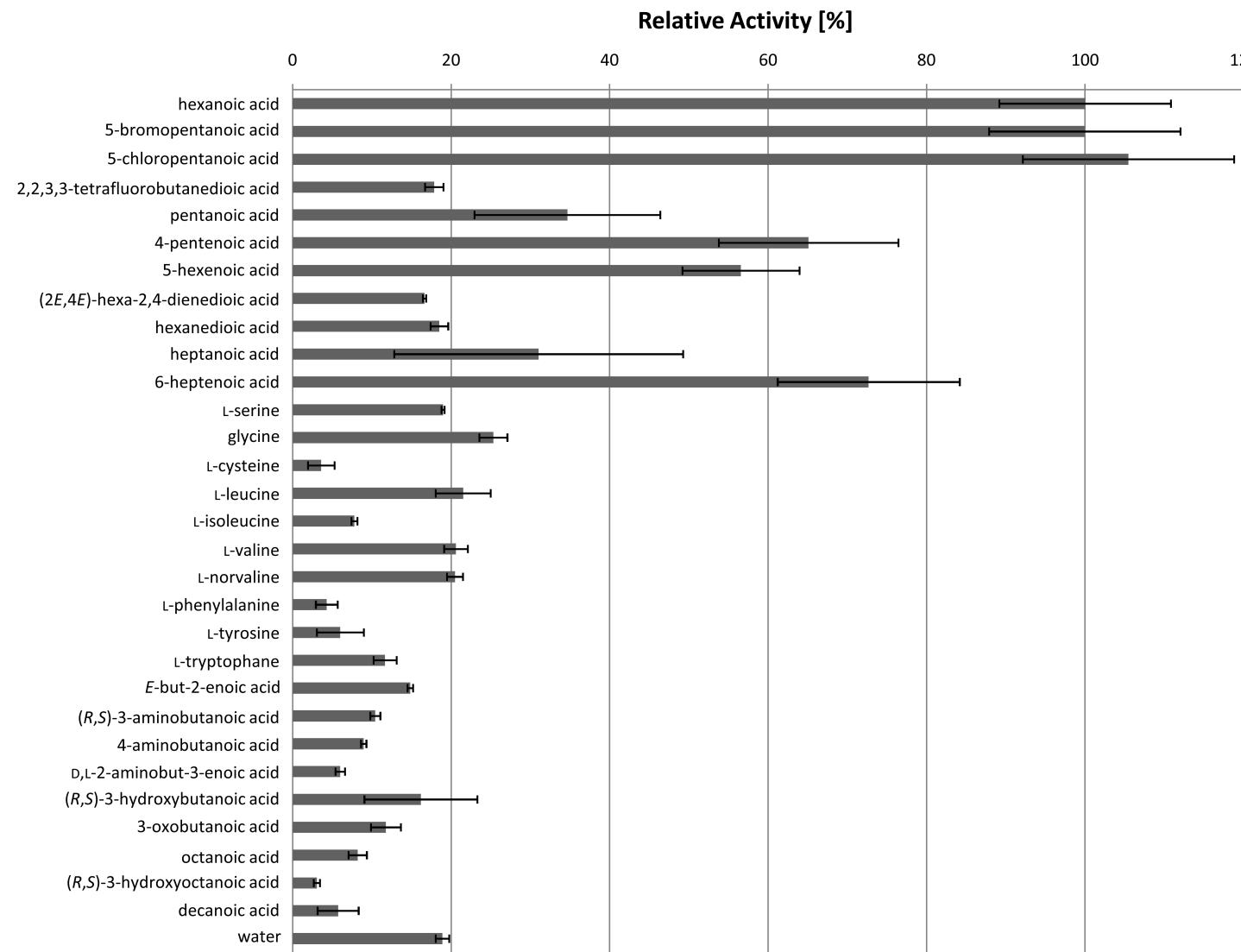


Figure S2. 600 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P1 (**2**) in methanol- d_4 .

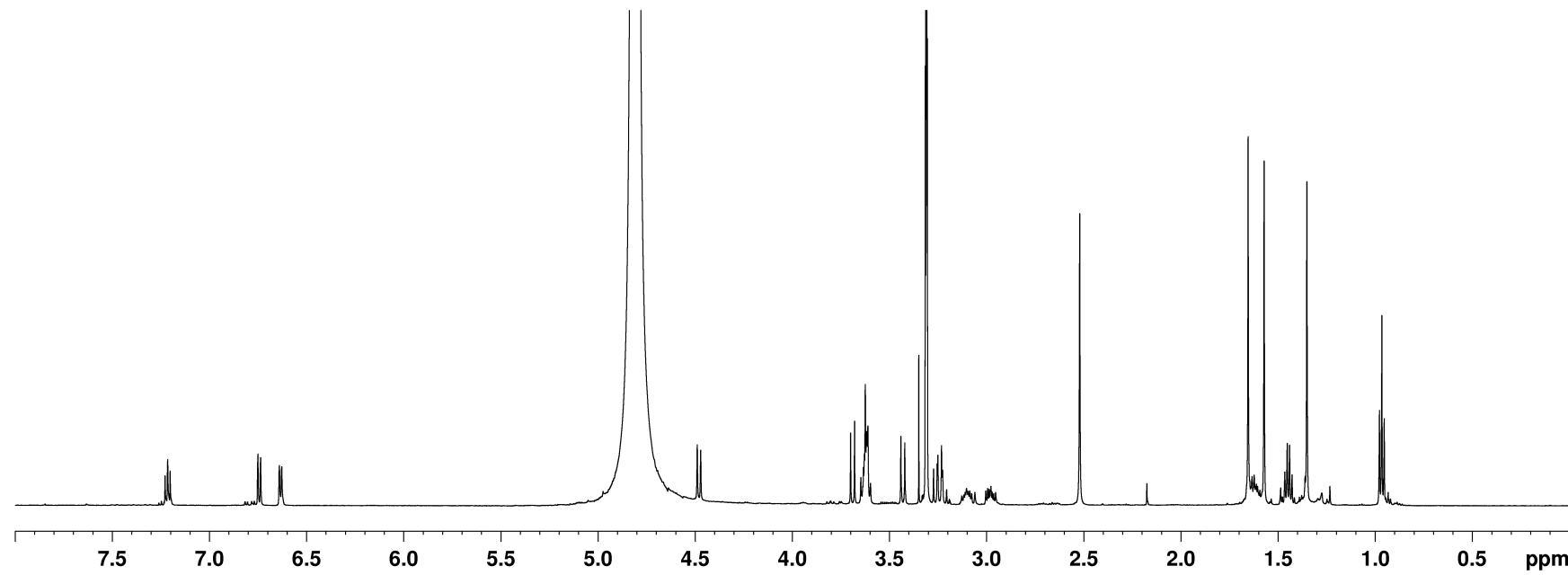


Figure S3. 150 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P1 (**2**) in methanol- d_4 .

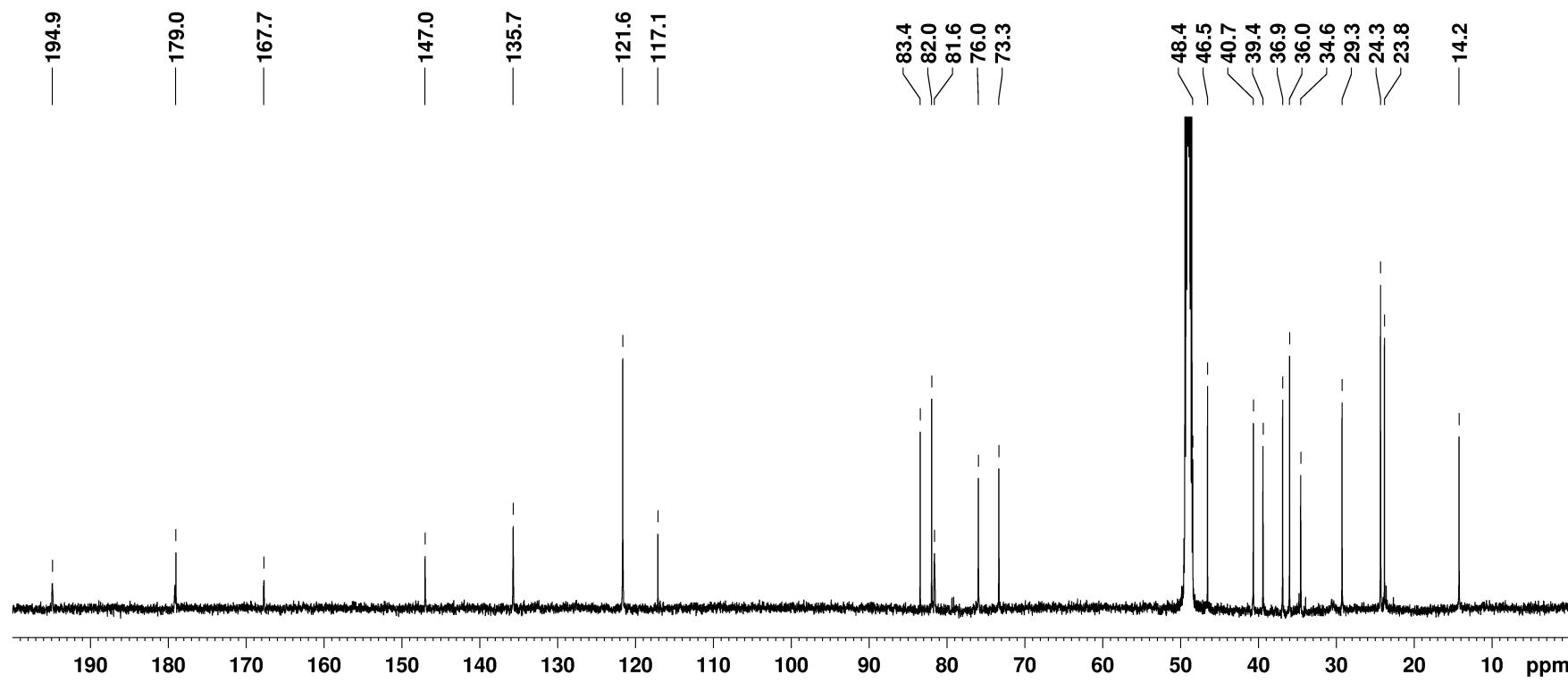


Figure S4. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P1 (**2**).

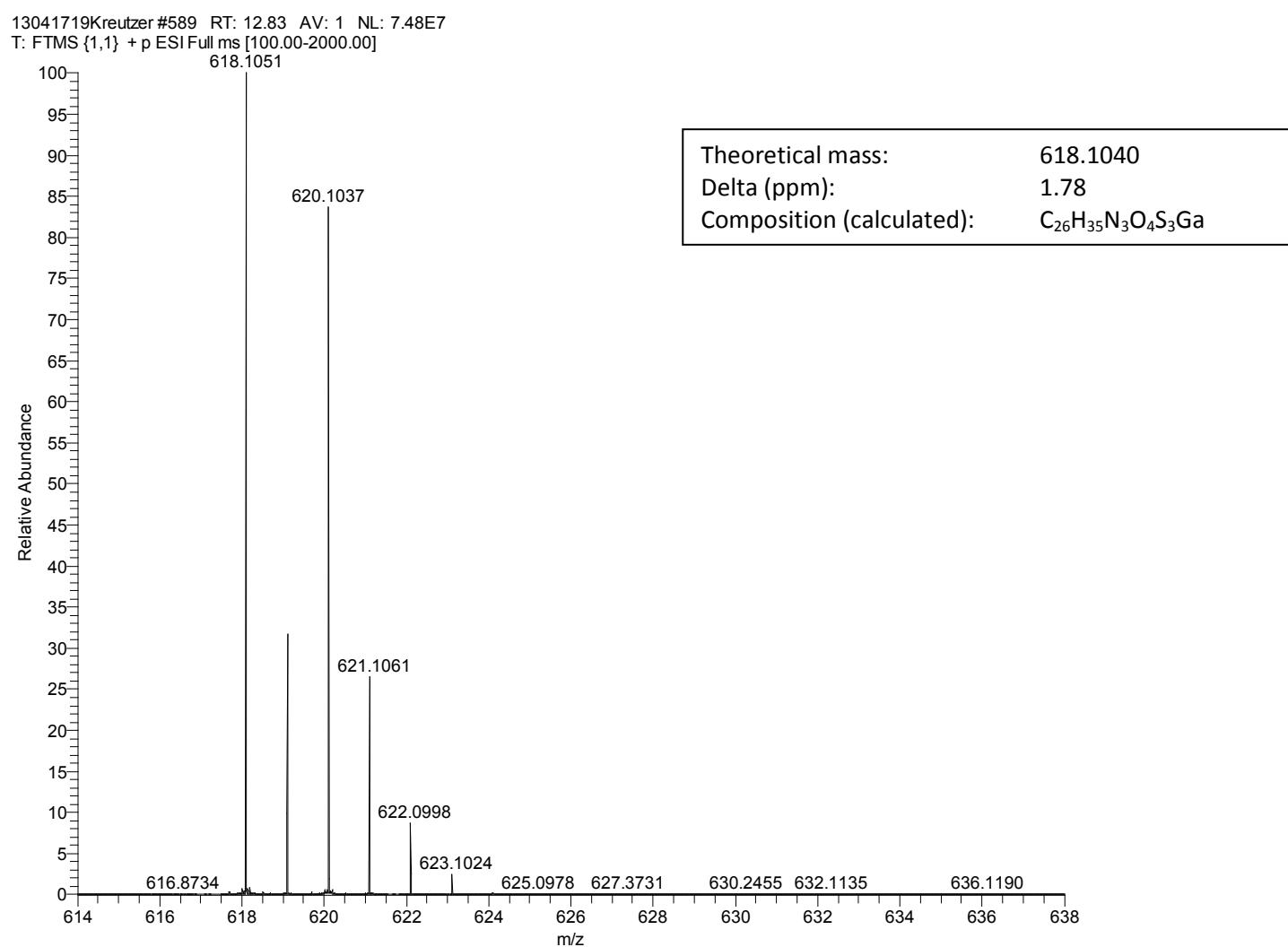


Figure S5. 600 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P2 (**3**) in methanol- d_4 .

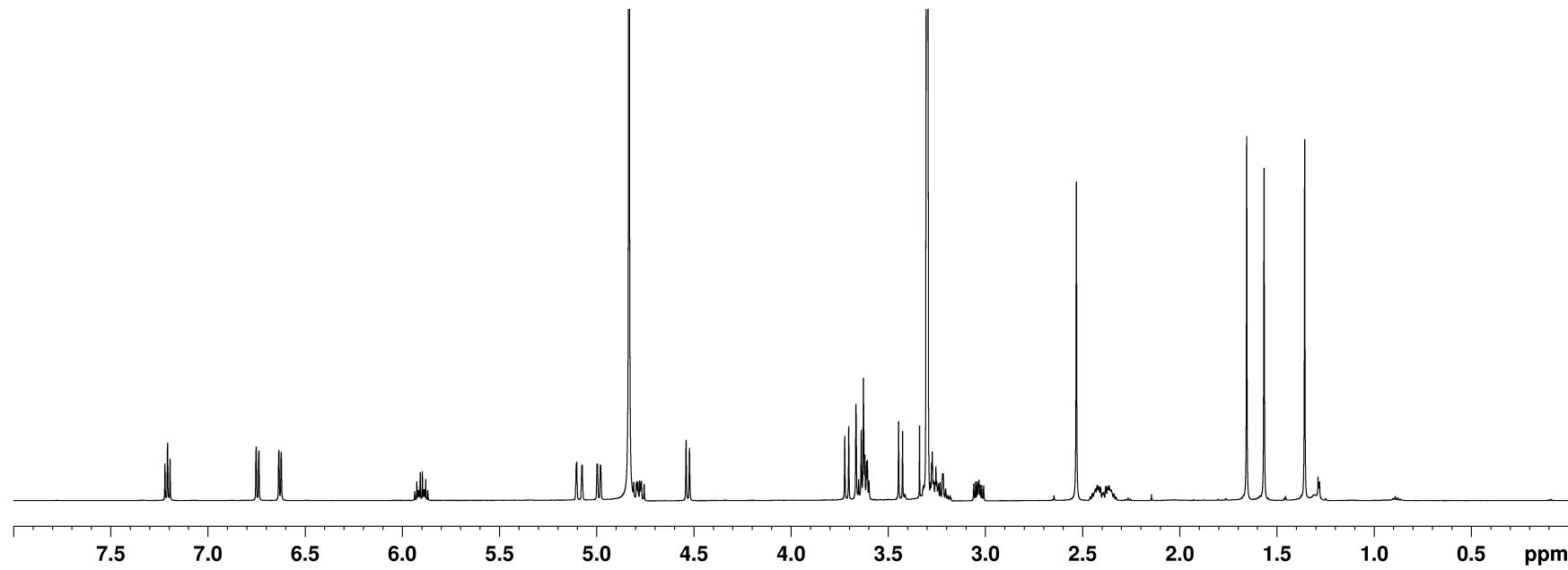


Figure S6. 150 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P2 (**3**) in methanol- d_4 .

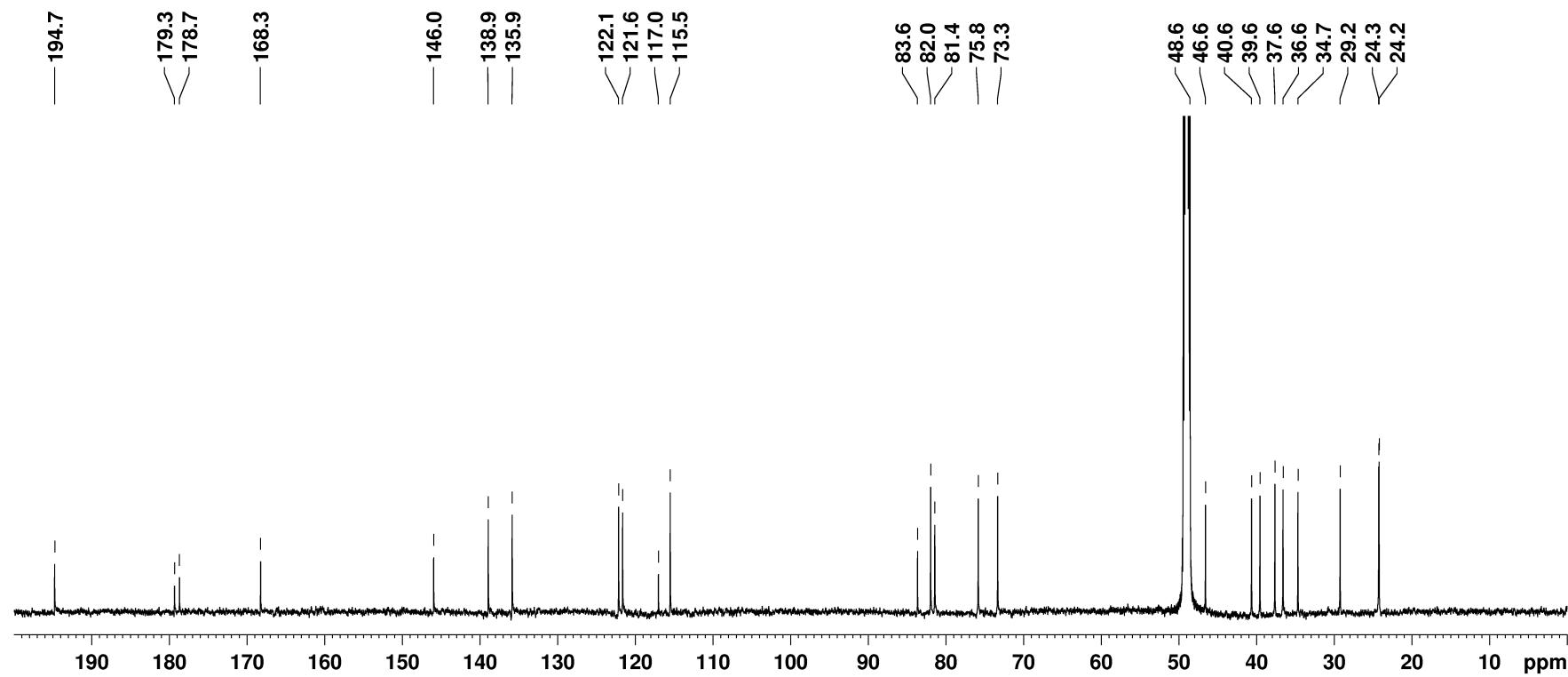


Figure S7. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P2 (**3**).

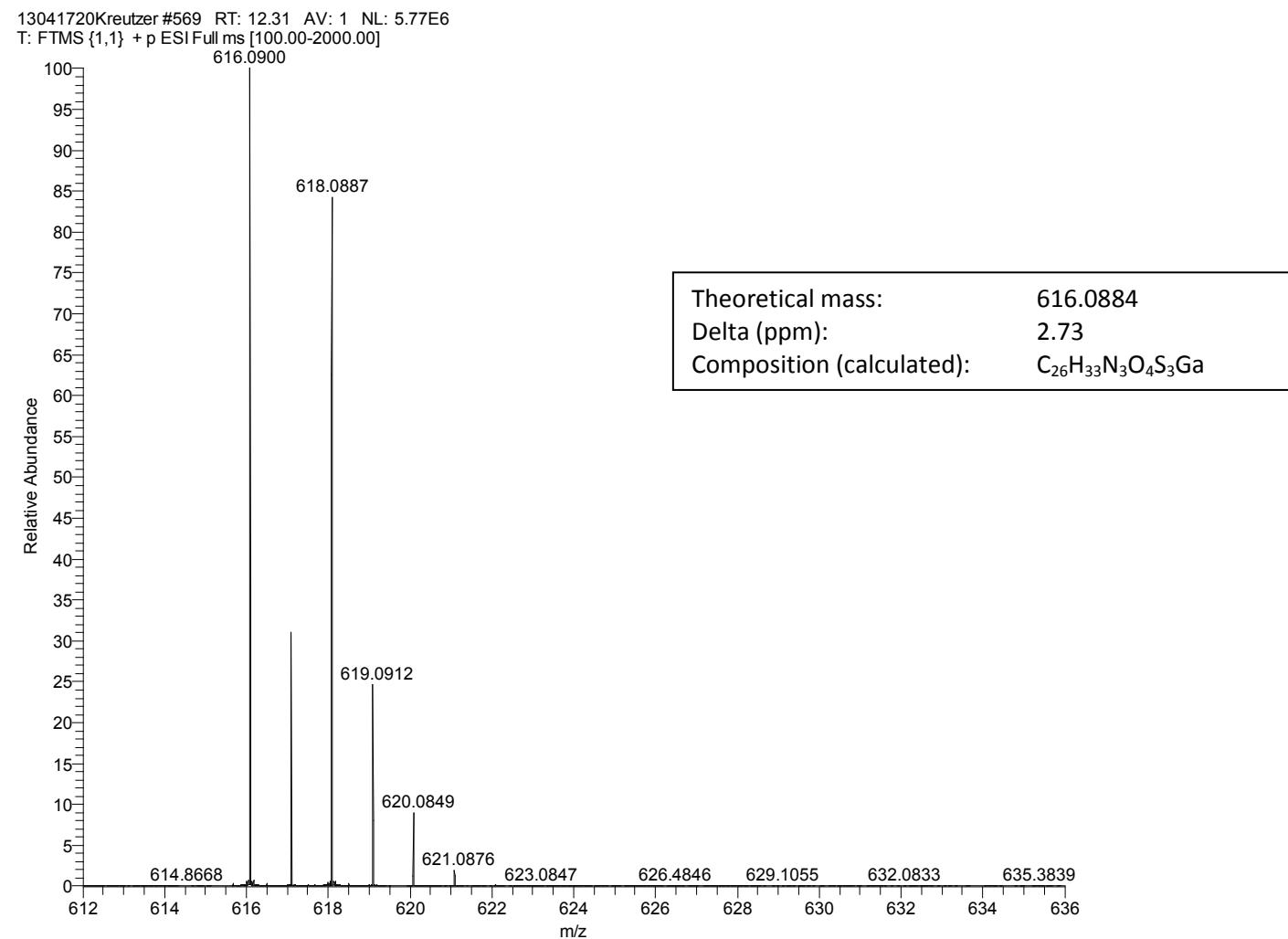


Figure S8. 600 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P3 (**4**) in methanol- d_4 .

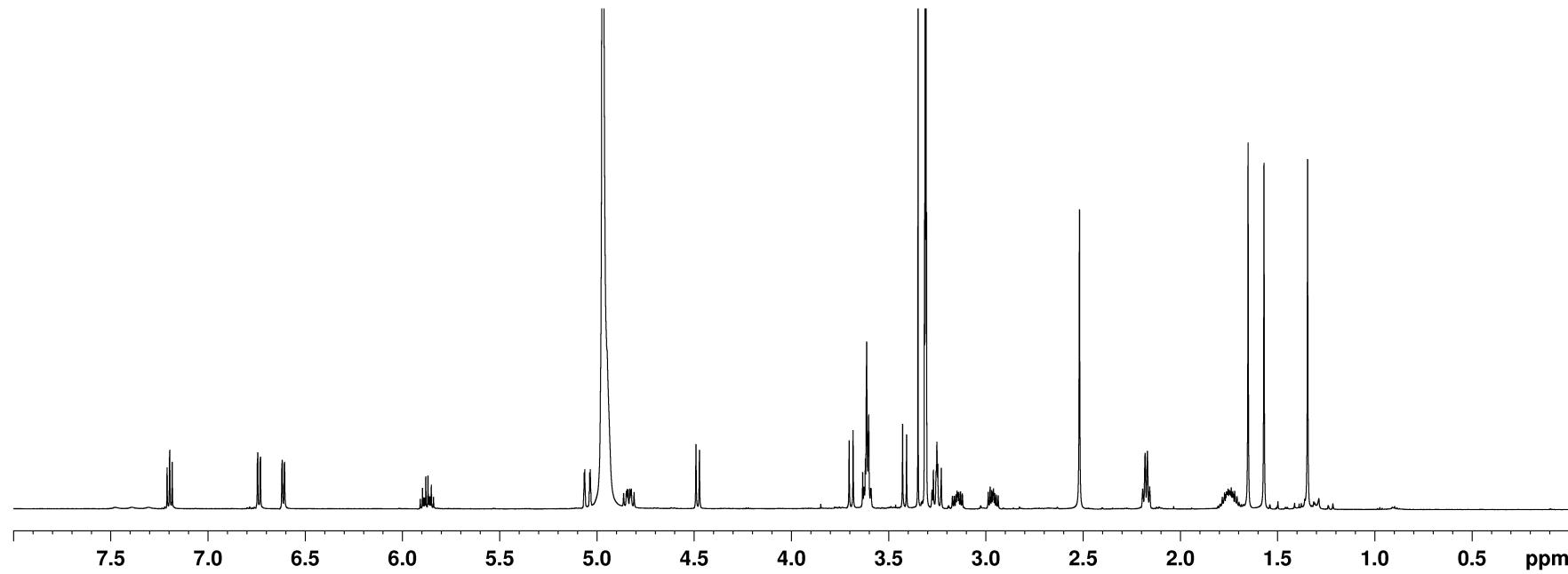


Figure S9. 150 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P3 (**4**) in methanol- d_4 .

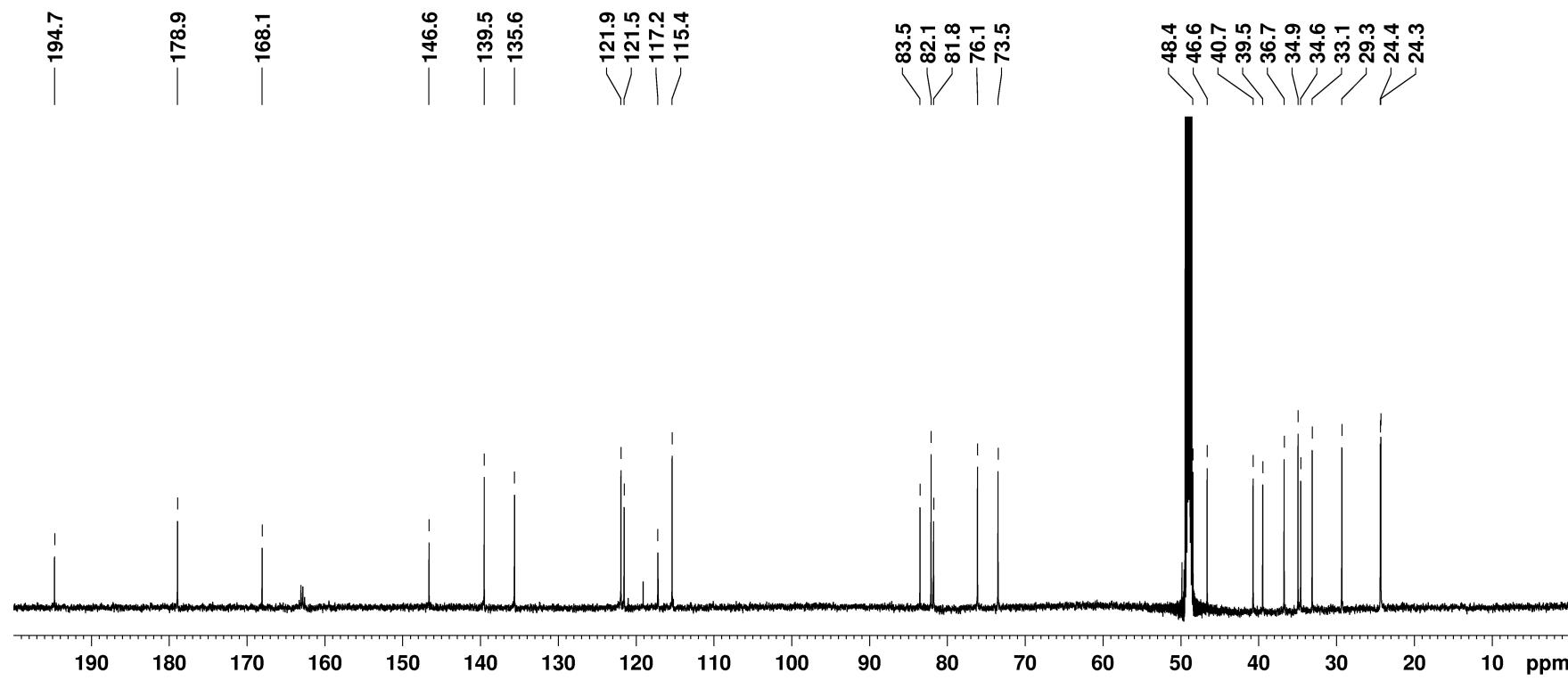


Figure S10. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P3 (**4**).

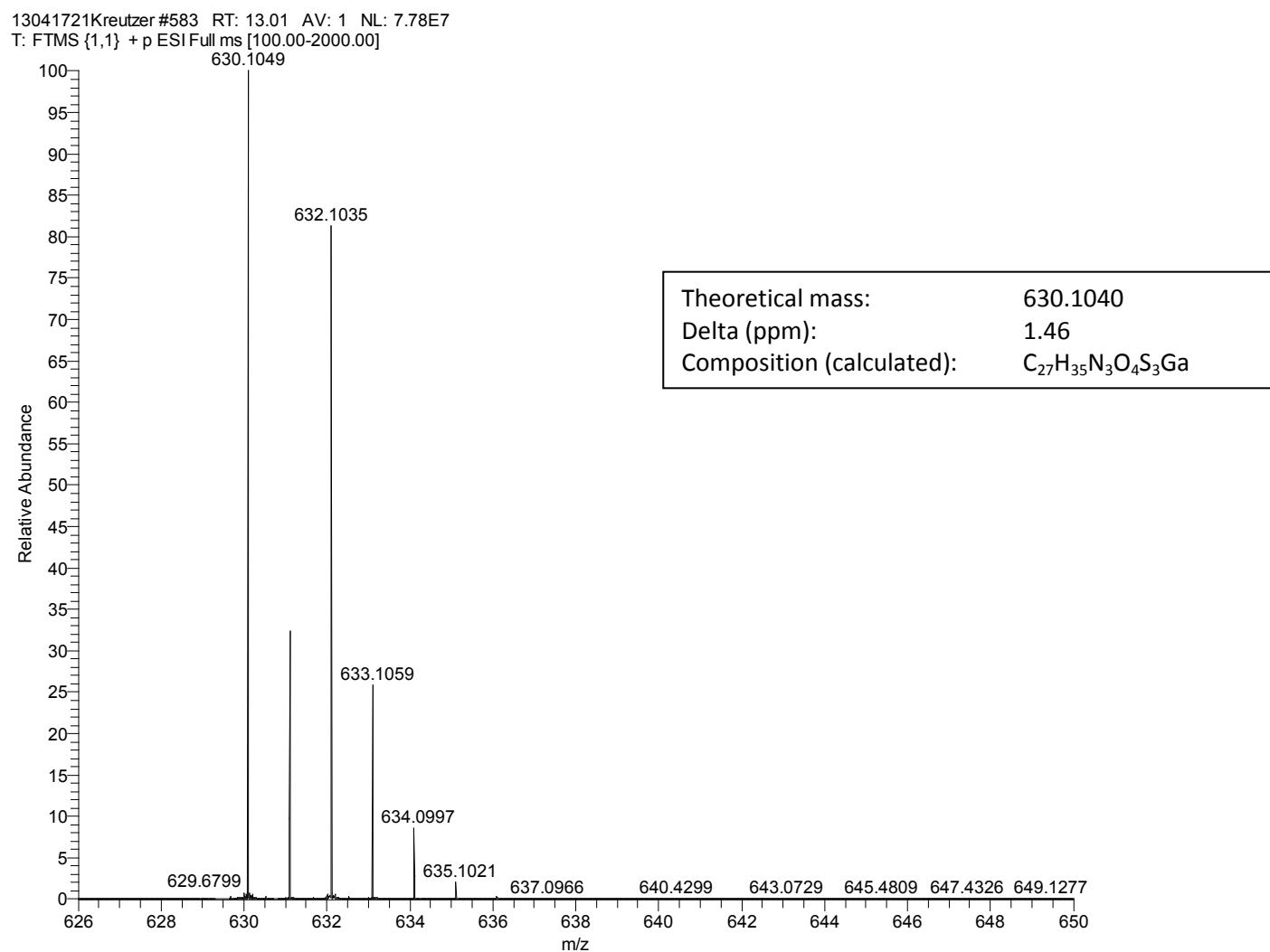


Figure S11. 500 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P4 (**5**) in methanol- d_4 .

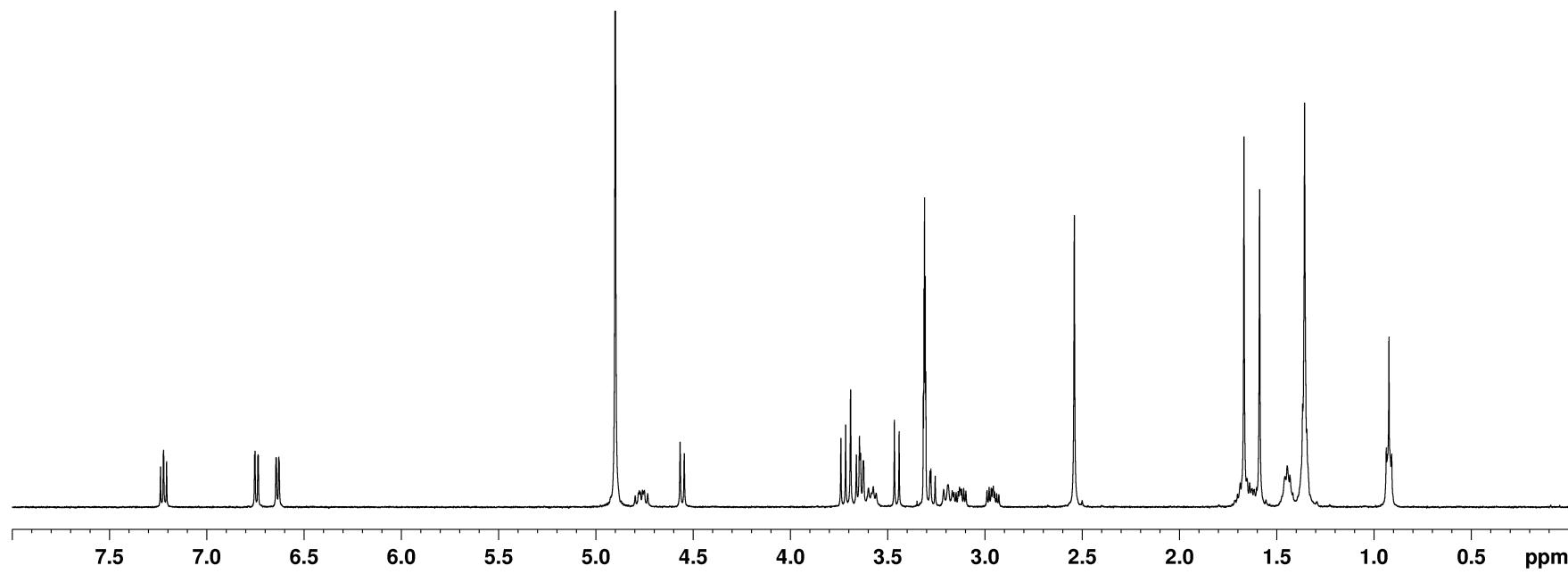


Figure S12. 125 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P4 (**5**) in methanol- d_4 .

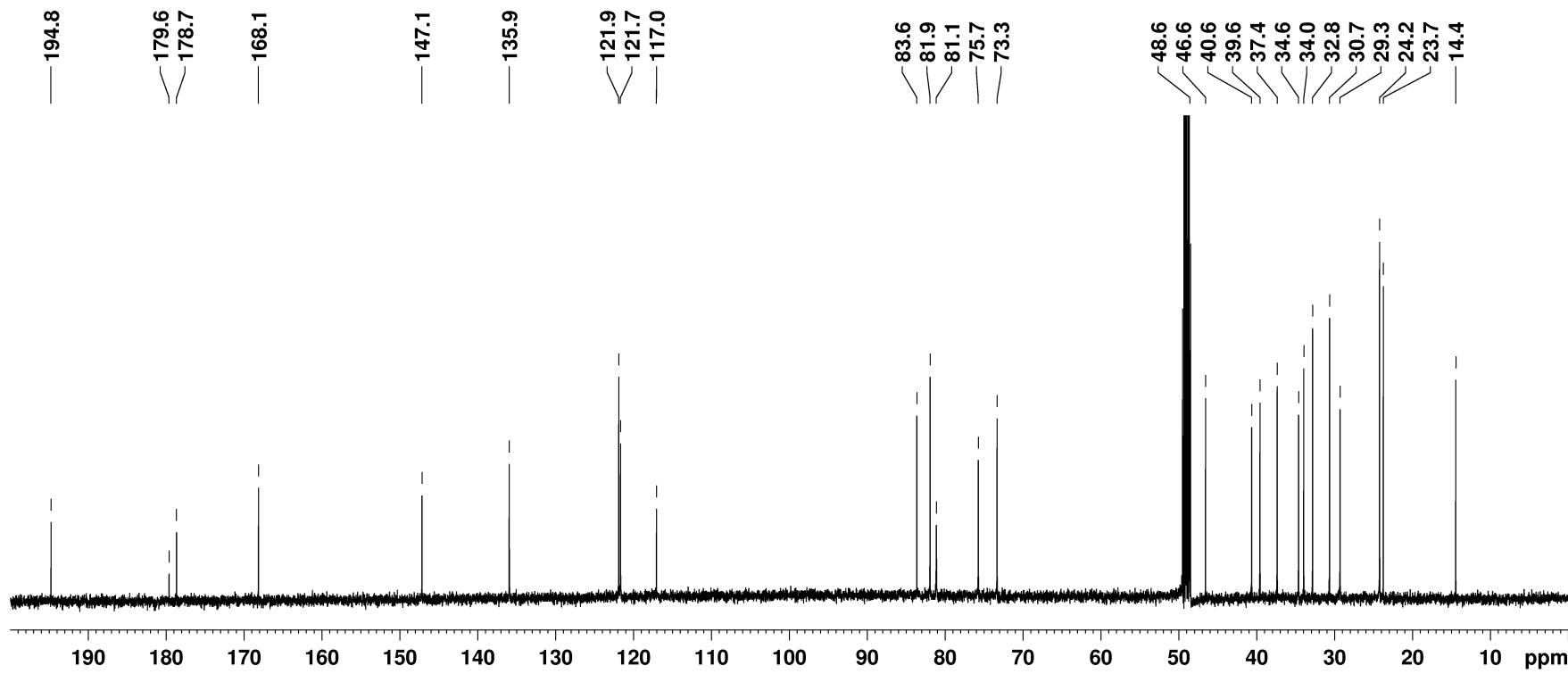


Figure S13. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P4 (**5**).

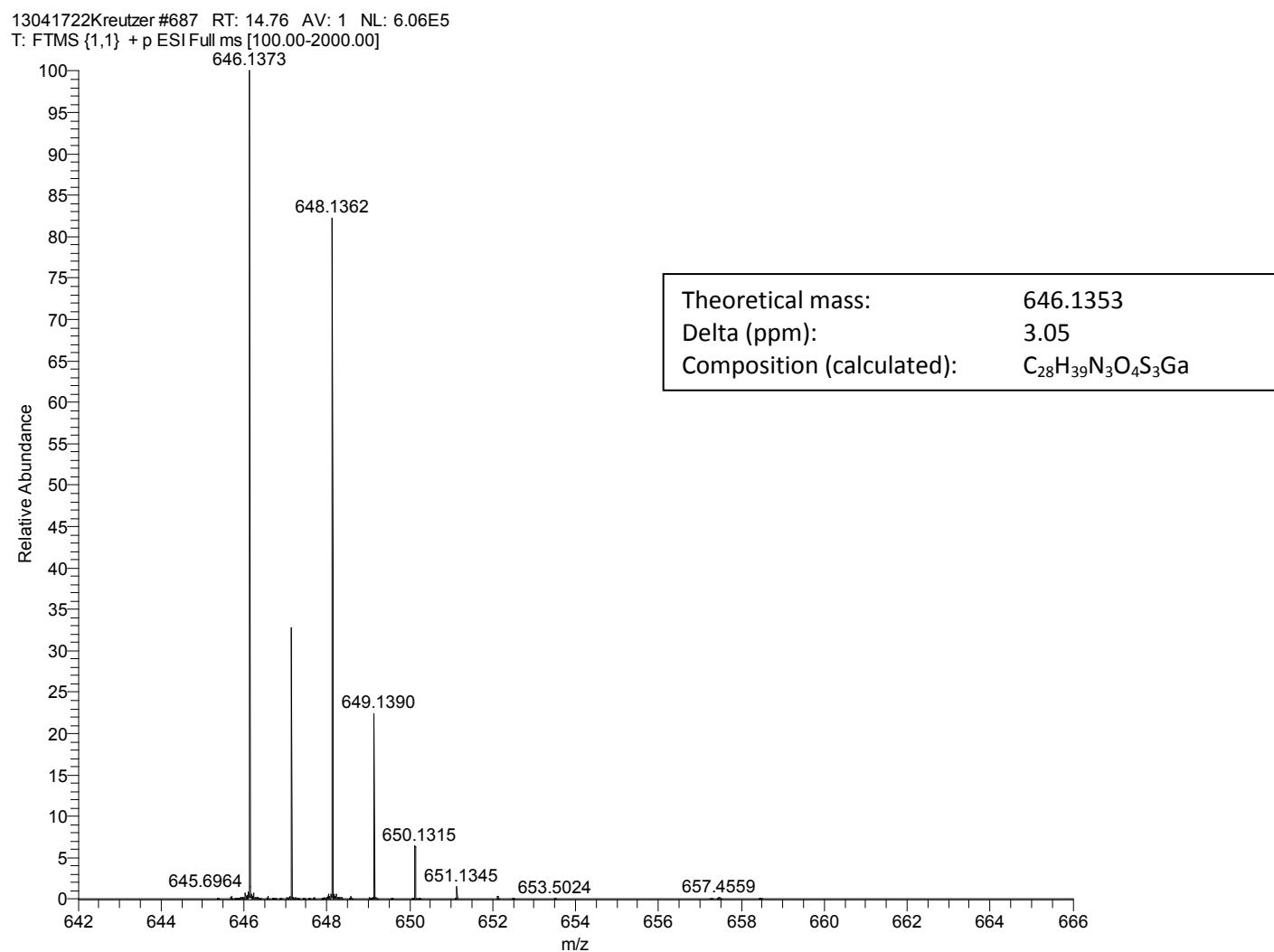


Figure S14. 600 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P5 (**6**) in methanol- d_4 .

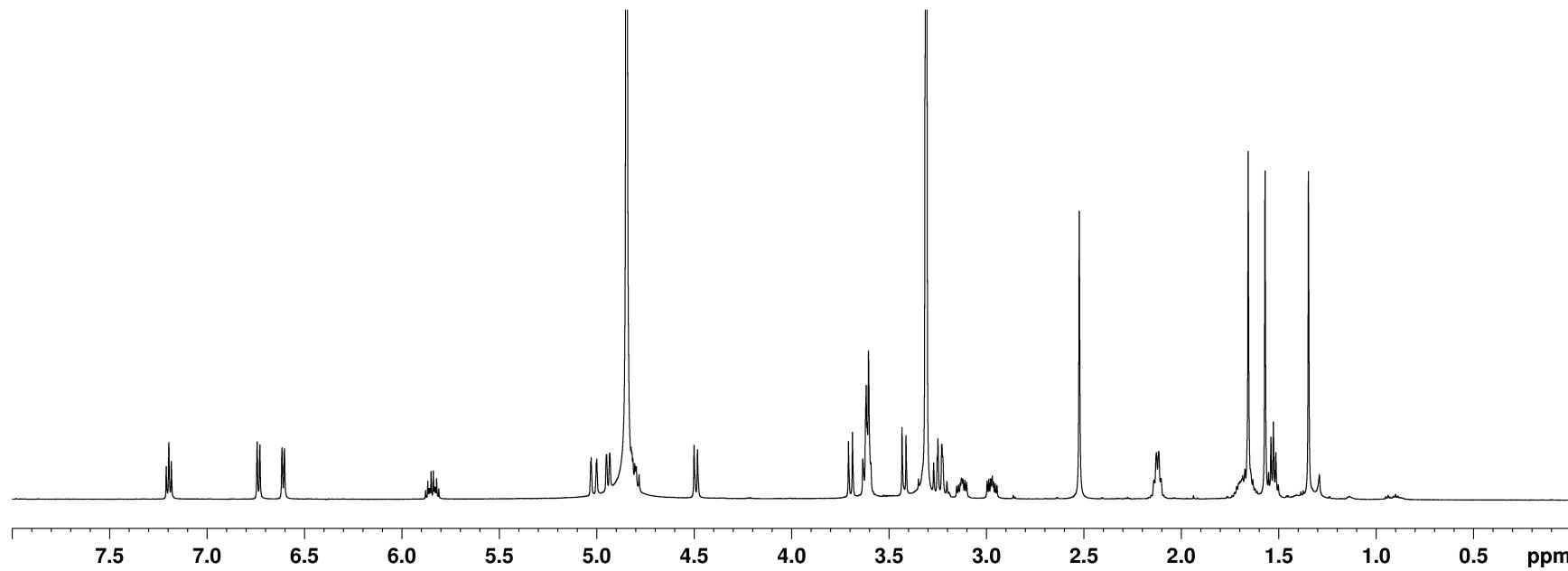


Figure S15. 150 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P5 (**6**) in methanol- d_4 .

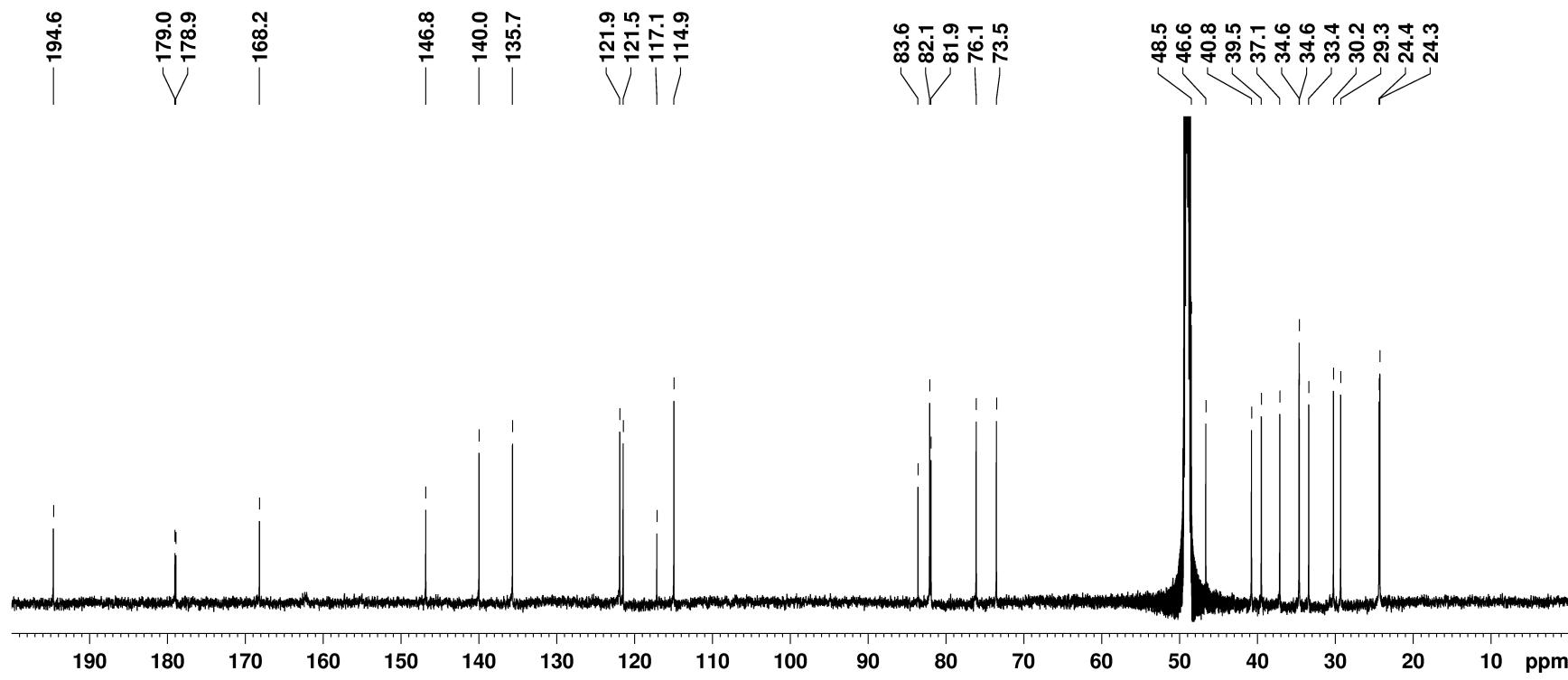


Figure S16. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P5 (**6**).

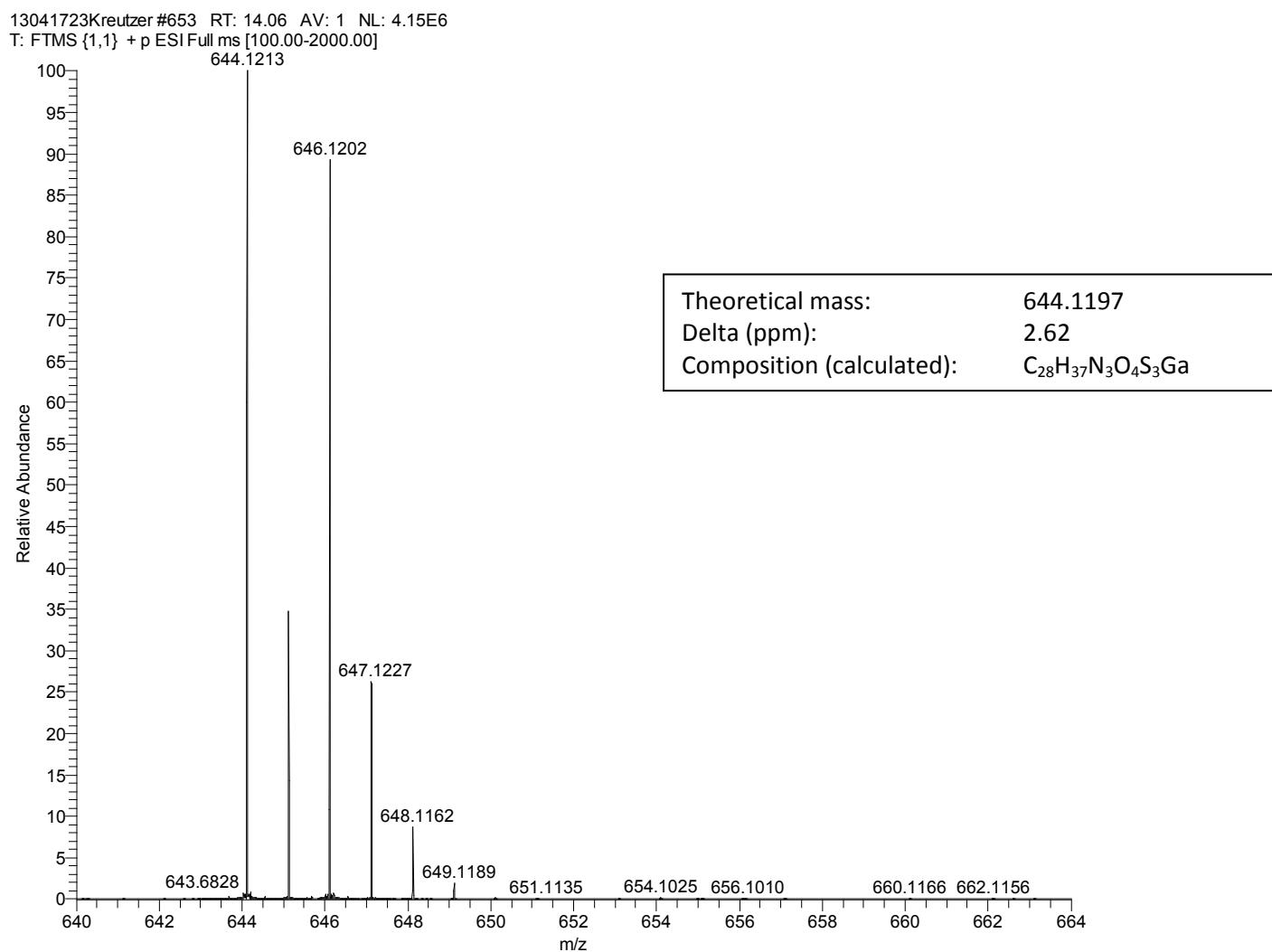


Figure S17. 600 MHz ^1H NMR spectrum of the Ga^{3+} complex of micacocidin P6 (**7**) in methanol- d_4 .

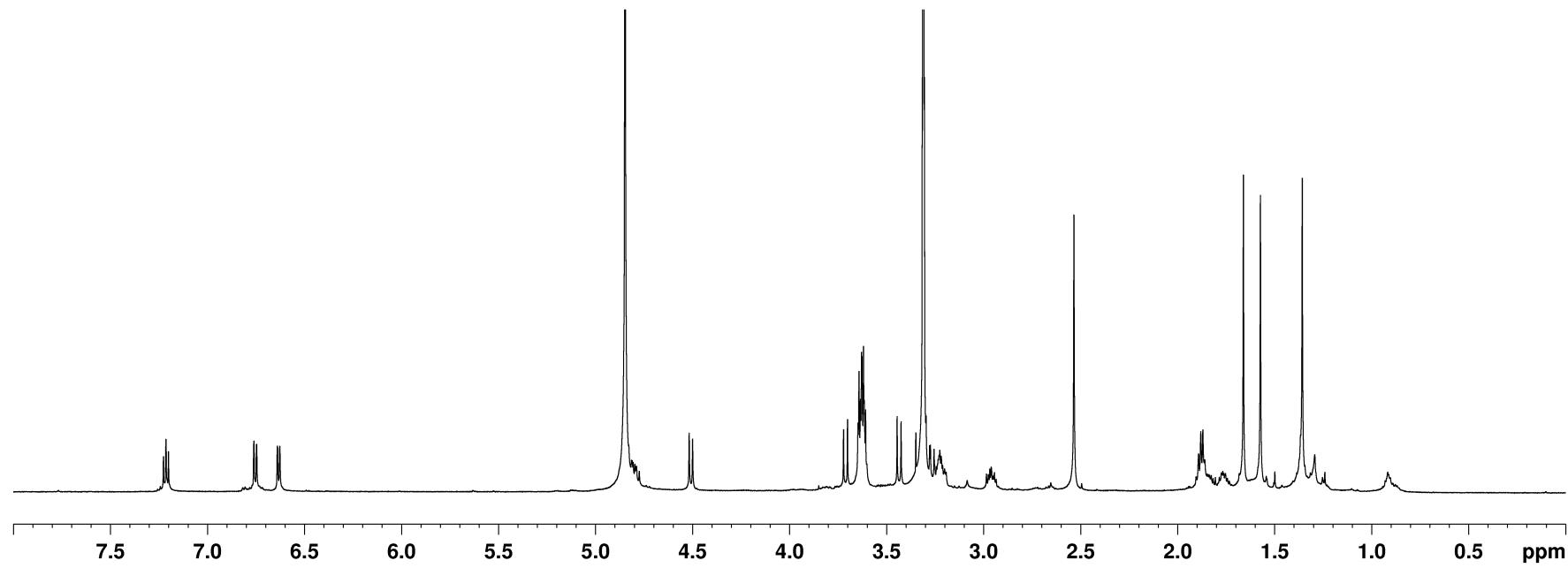


Figure S18. 150 MHz ^{13}C NMR spectrum of the Ga^{3+} complex of micacocidin P6 (**7**) in methanol- d_4 .

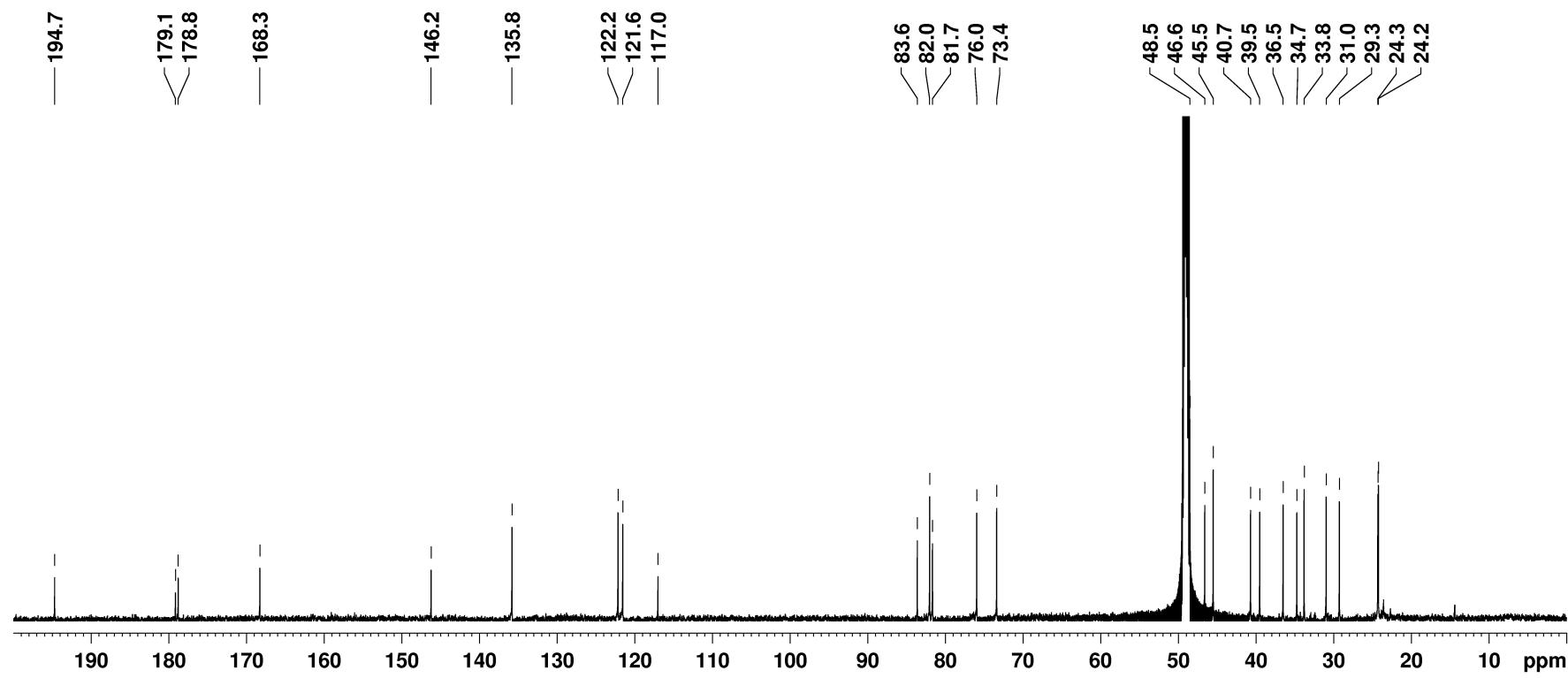


Figure S19. HR-ESI-MS spectrum of the Ga³⁺ complex of micacocidin P6 (**7**).

