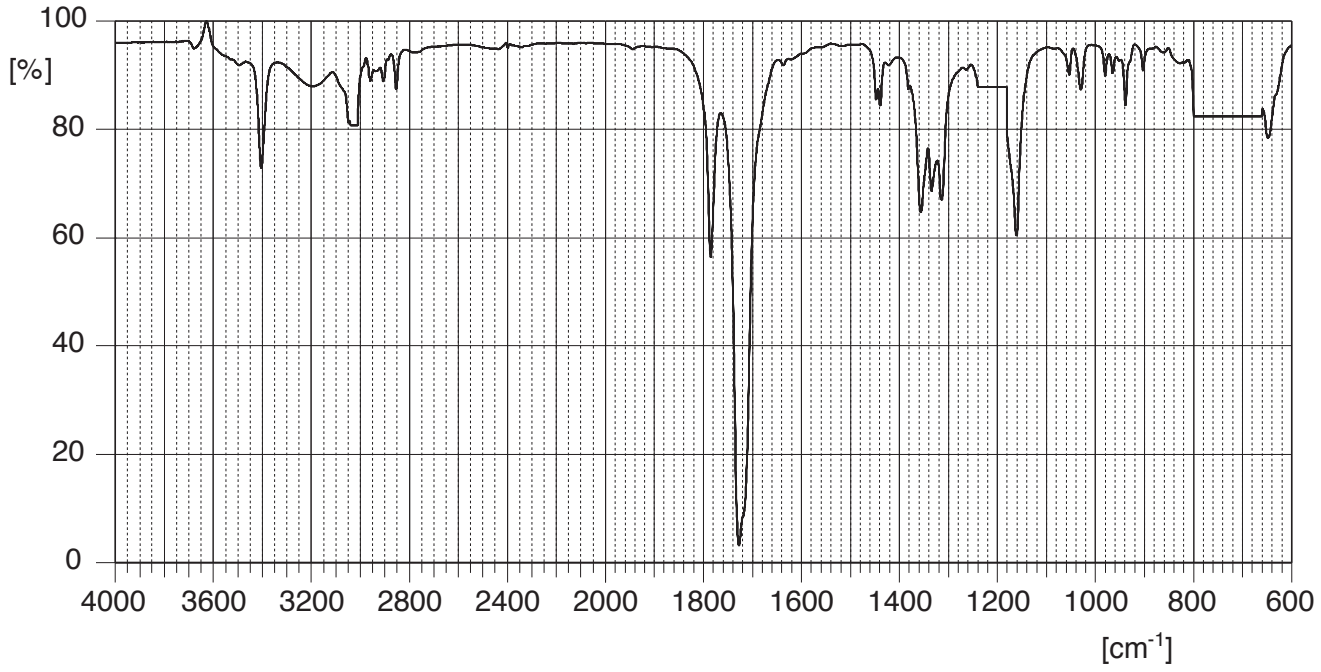
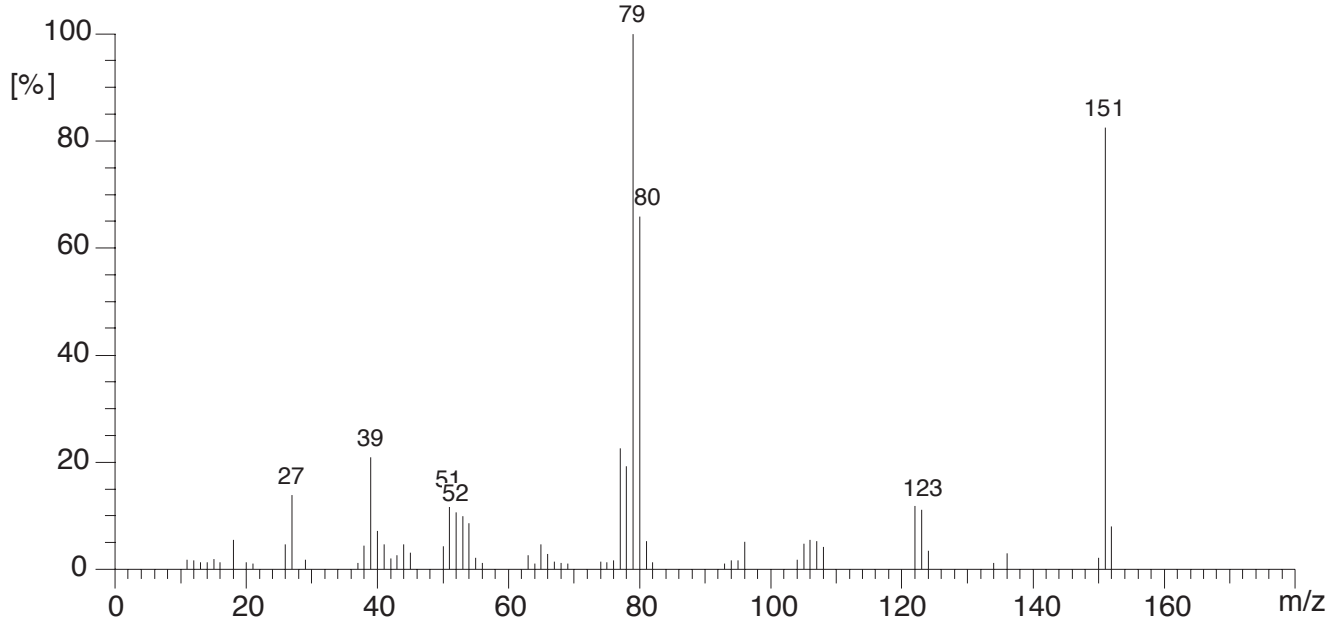
ETH
Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

Z8

IR: Perkin-Elmer Modell Spectrum FT-IR 100
aufgenommen in $CHCl_3$



MS: EI, 70 eV



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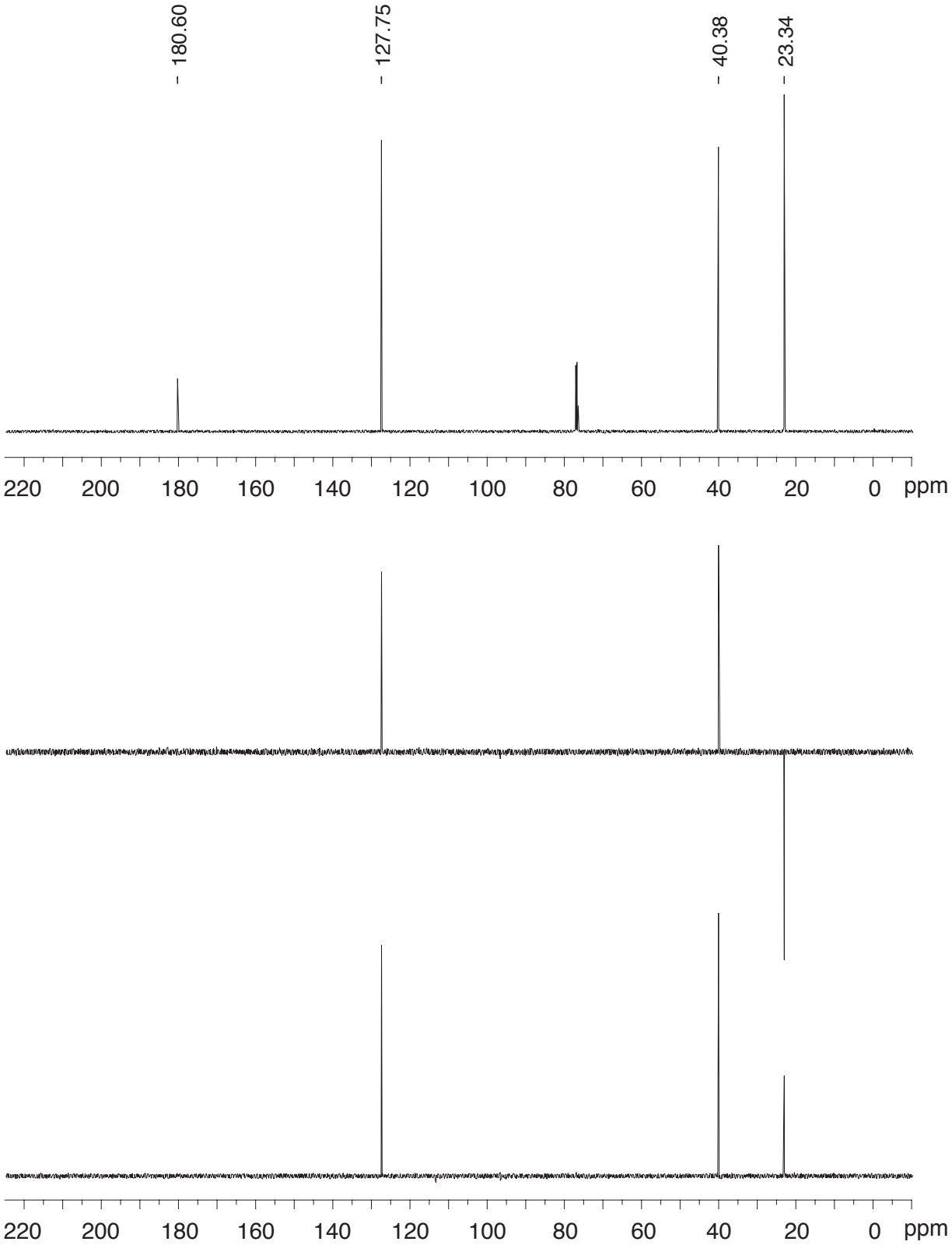
^{13}C–NMR: 100 MHz, aufgenommen in $CDCl_3$
oben: breitband–entkoppelt
unten: DEPT



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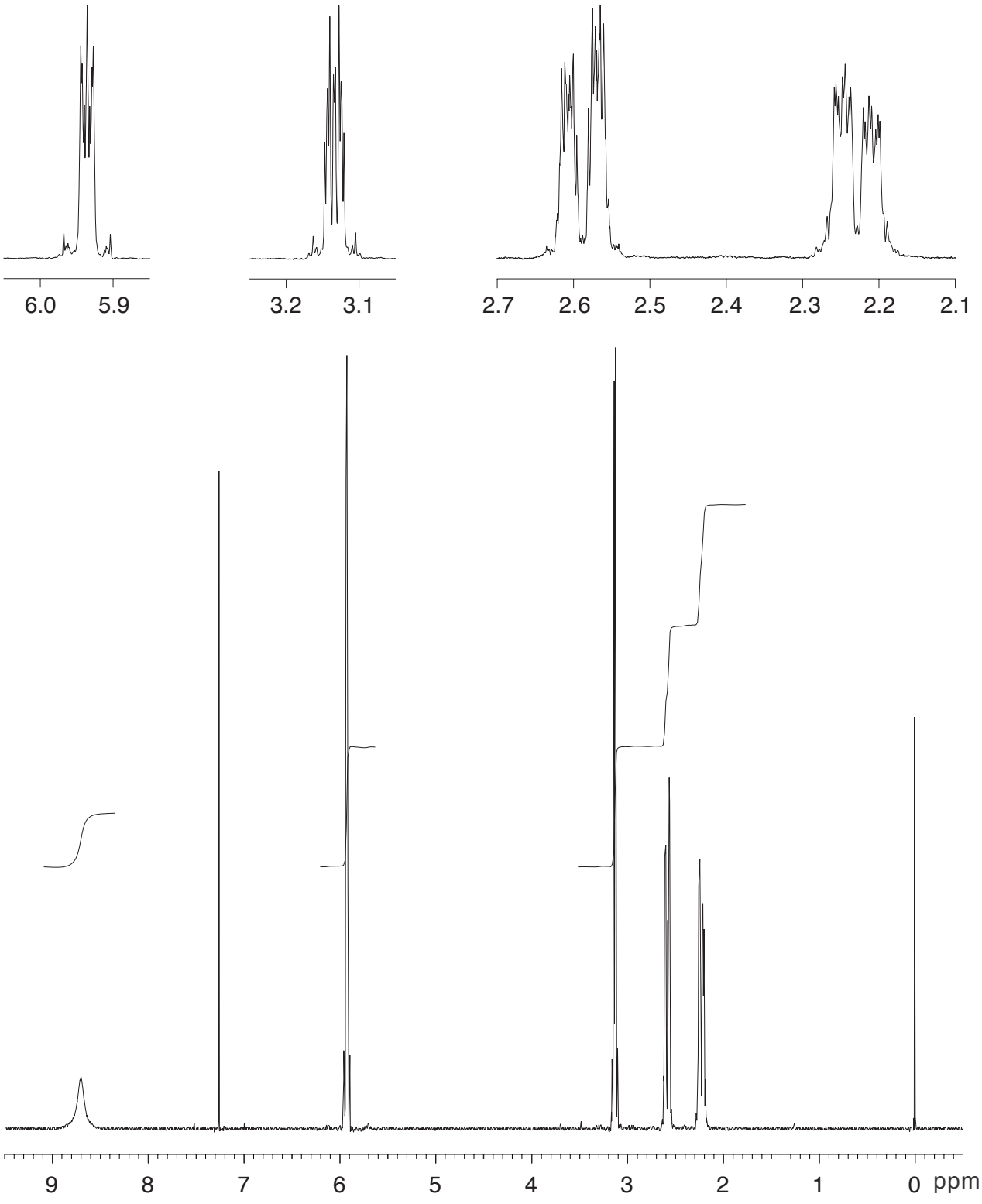
^{1}H–NMR: 400 MHz, aufgenommen in $CDCl_3$



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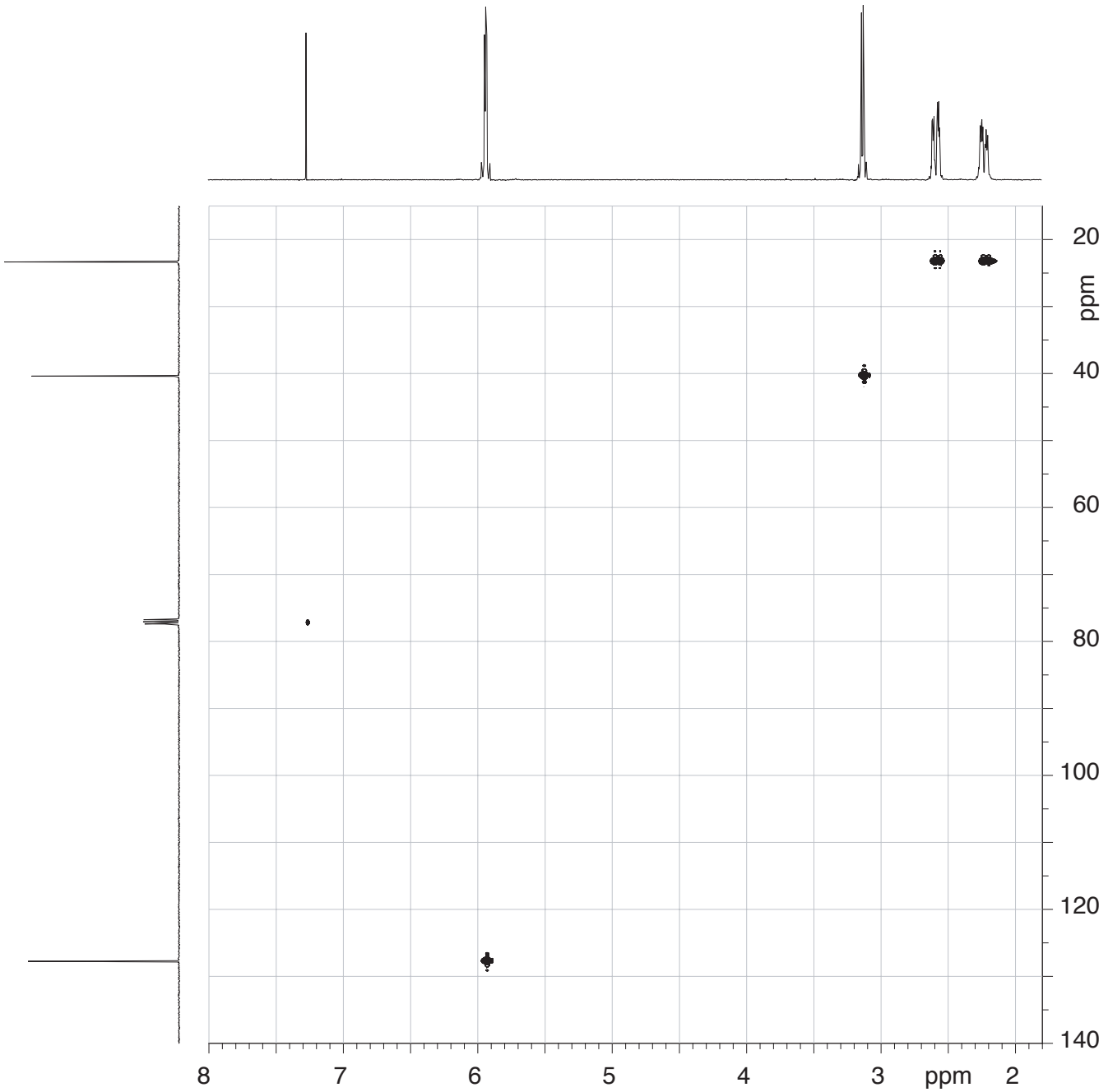
HSQC: aufgenommen in $CDCl_3$



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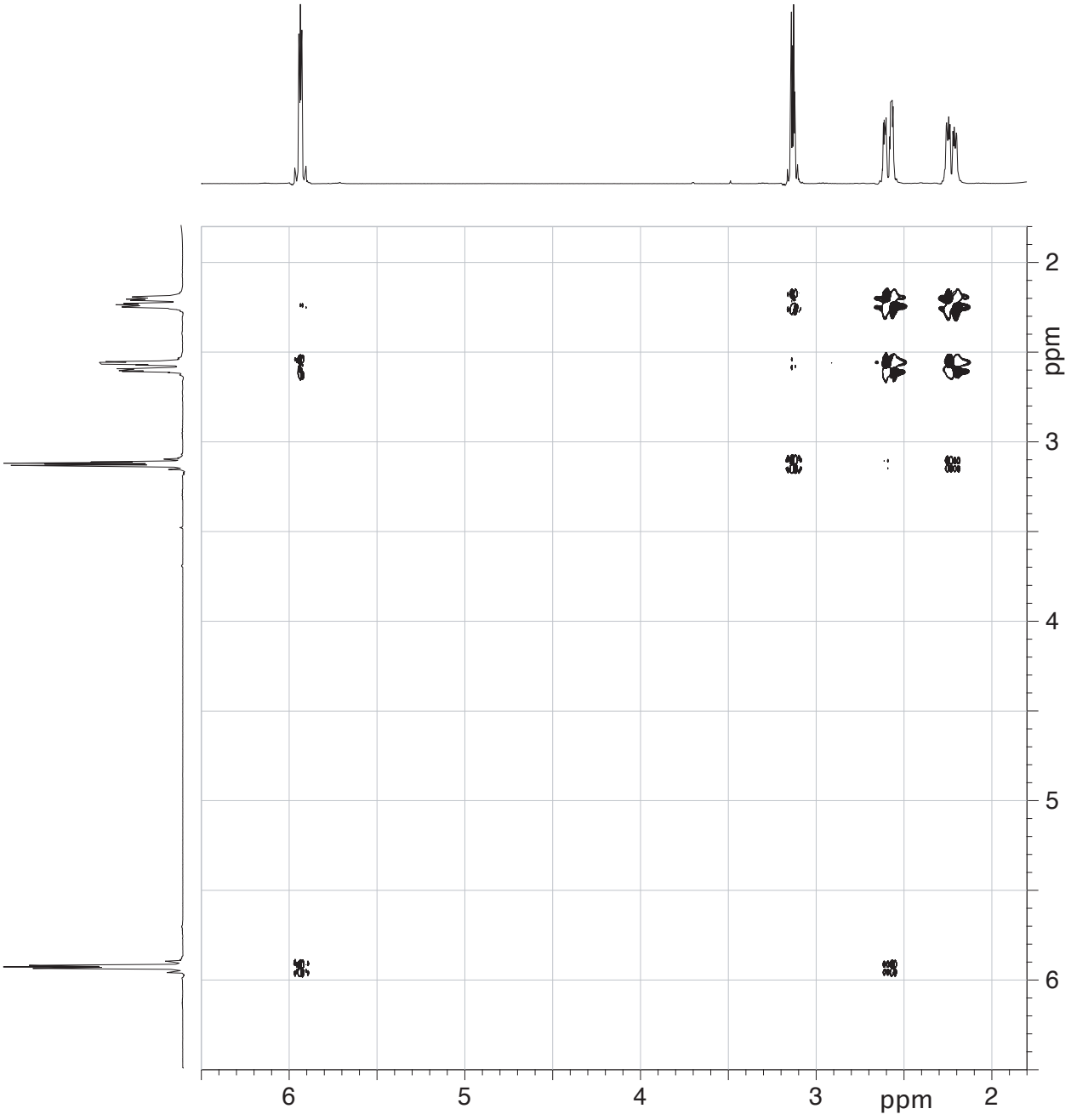
^{1}H–^{1}H–COSY: 400 MHz, aufgenommen in $CDCl_3$