

Supporting Information

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Antileishmanial Derivatives of Humulene from *Asteriscus hierochunticus* with *in silico* Tubulin Inhibition Potential

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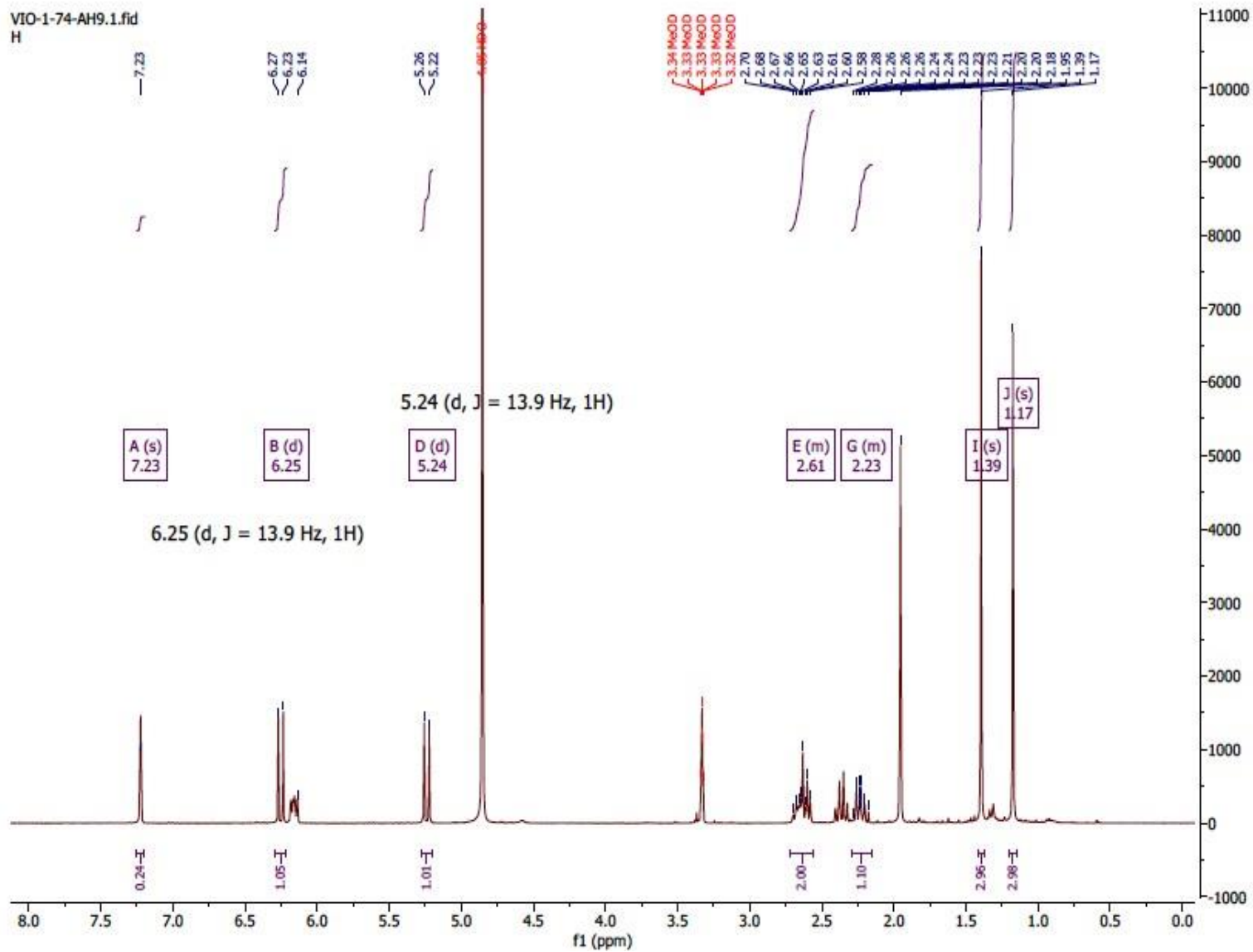


Figure S1: $^1\text{H-NMR}$ (500 MHz, CD_3OD) spectrum of **1**

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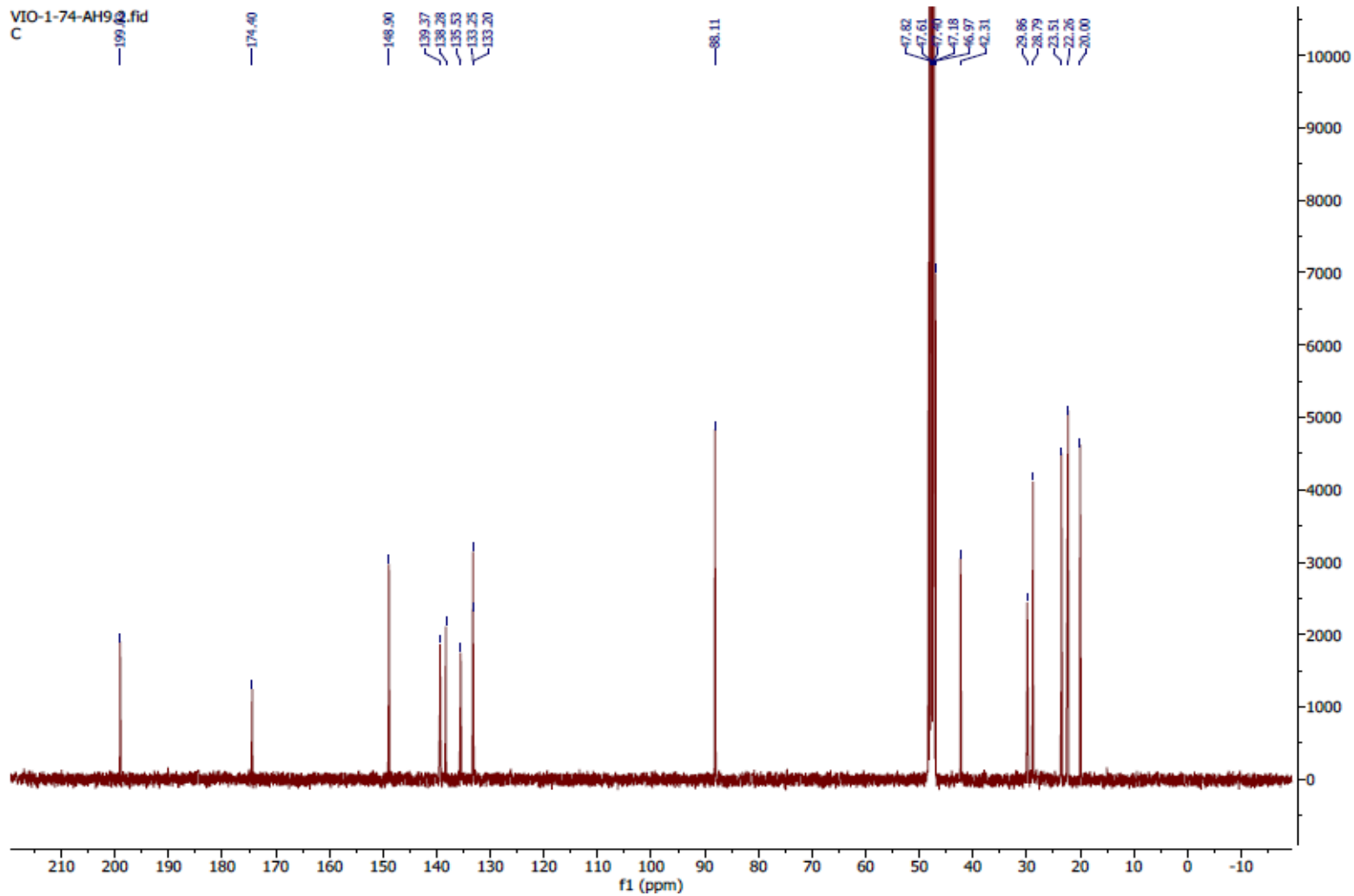


Figure S2: ^{13}C -NMR (125 MHz, CD_3OD) spectrum of **1**

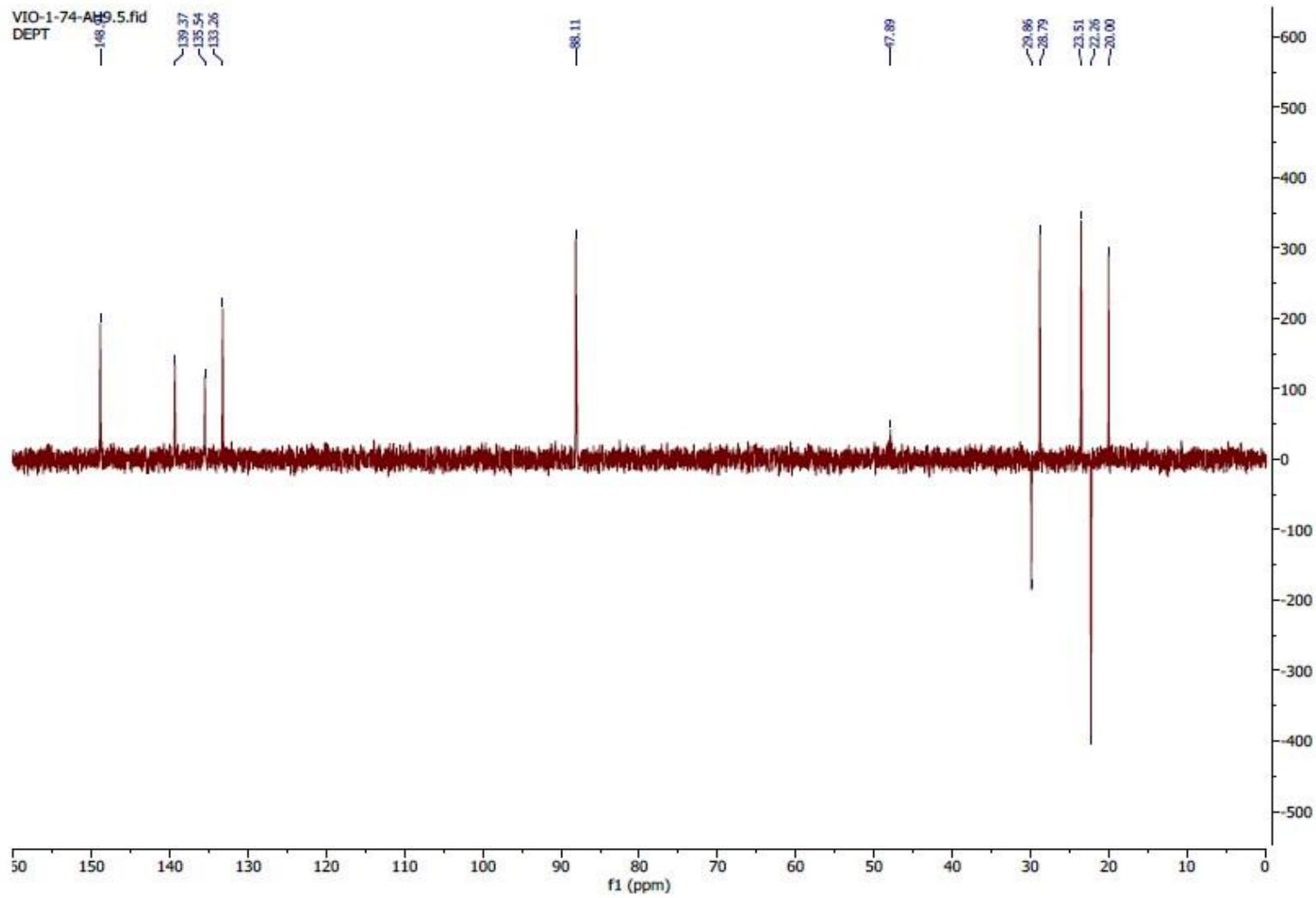


Figure S3: DEPT 135 (125 MHz, CD₃OD) spectrum of **1**

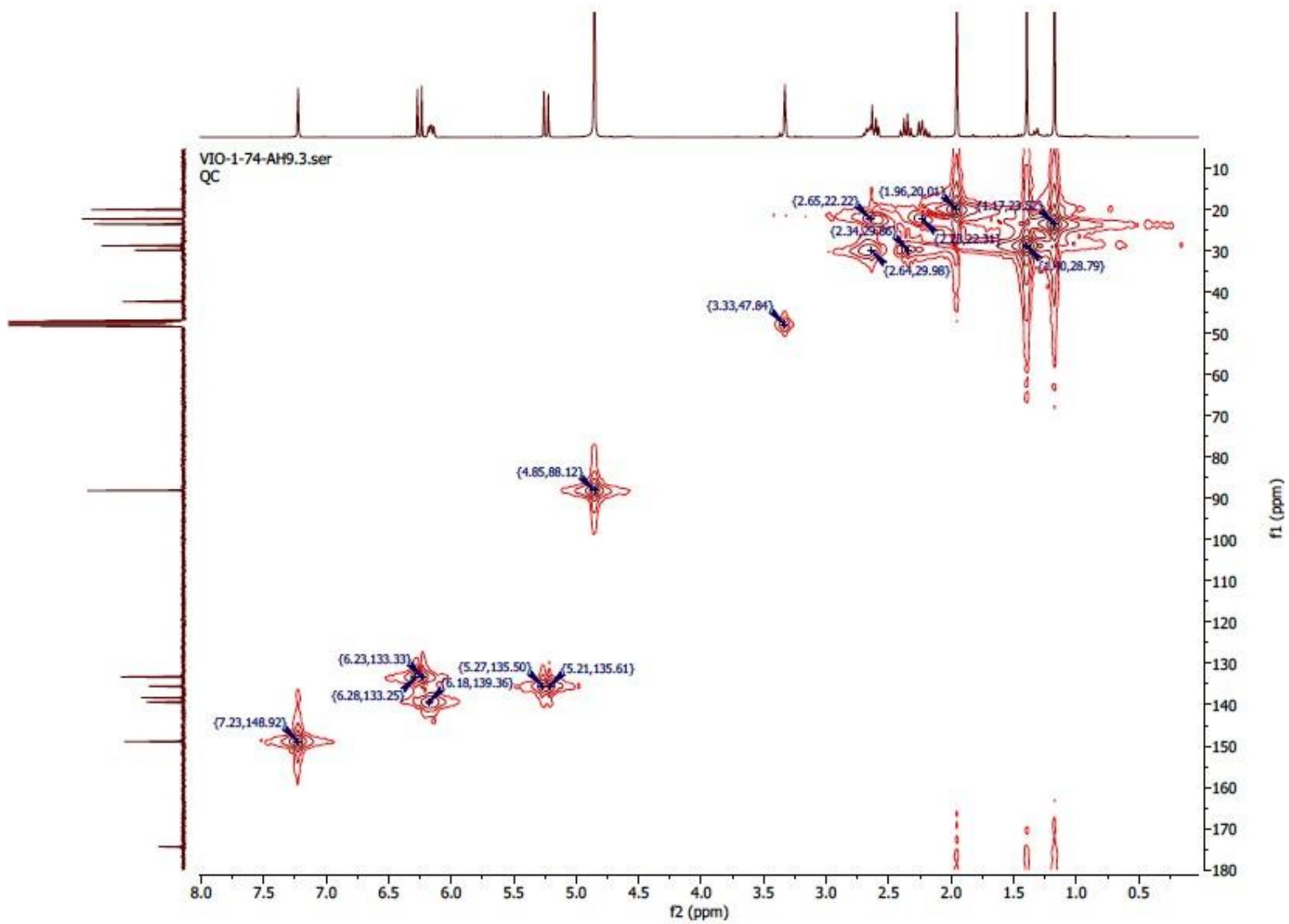


Figure S4: HMQC spectrum of **1**

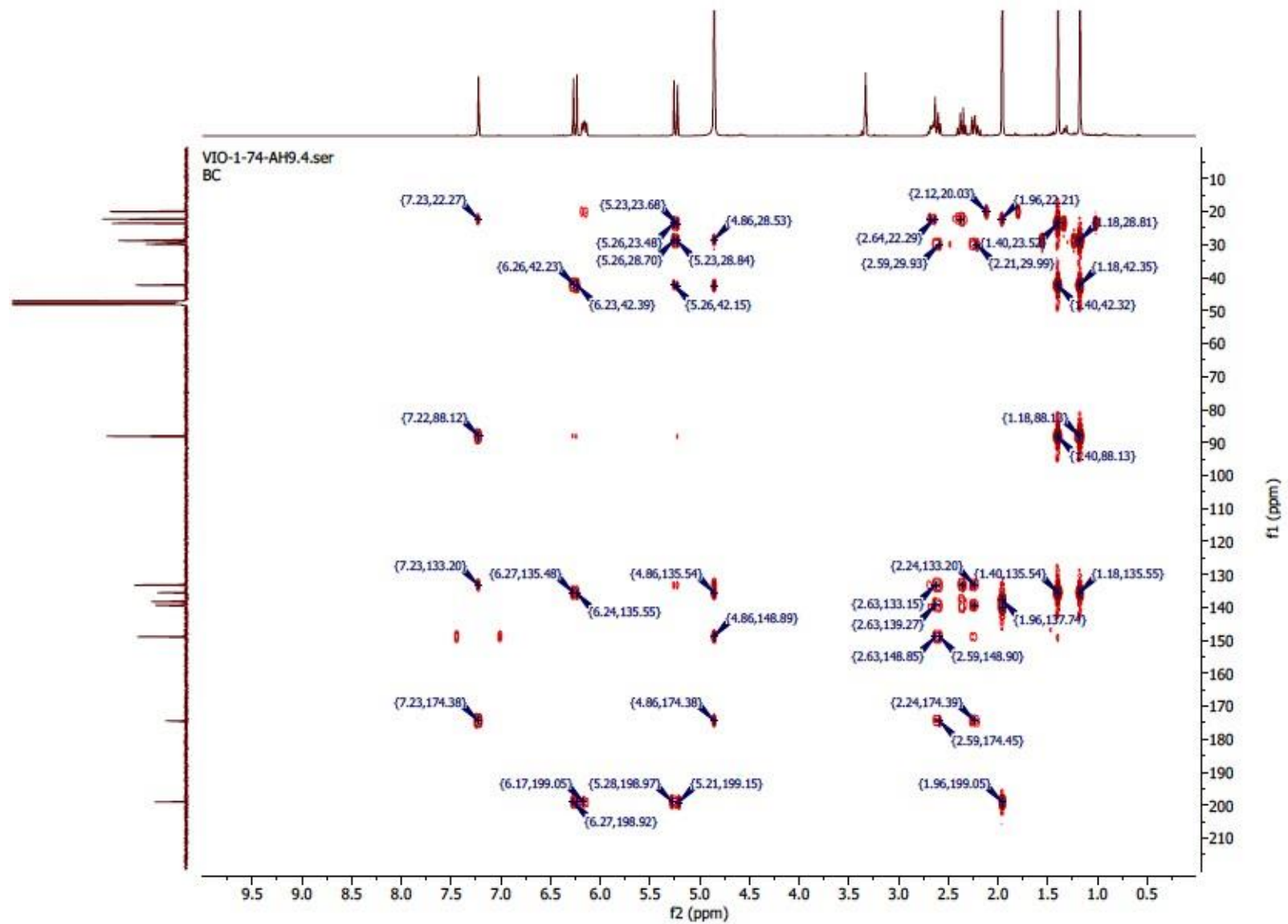


Figure S5: HMBC spectrum of **1**

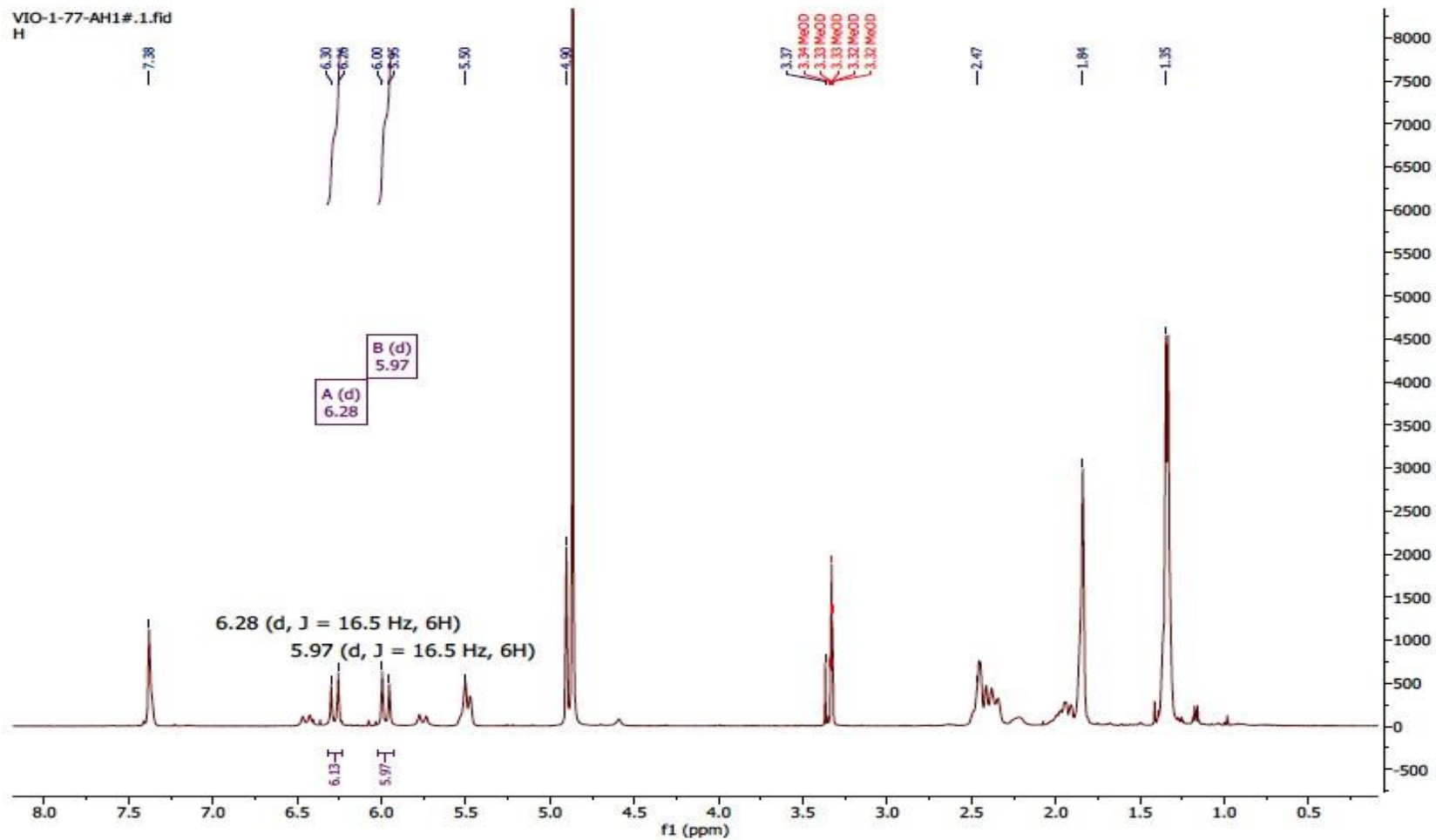


Figure S6: $^1\text{H-NMR}$ (500 MHz, CD_3OD) spectrum of **2**

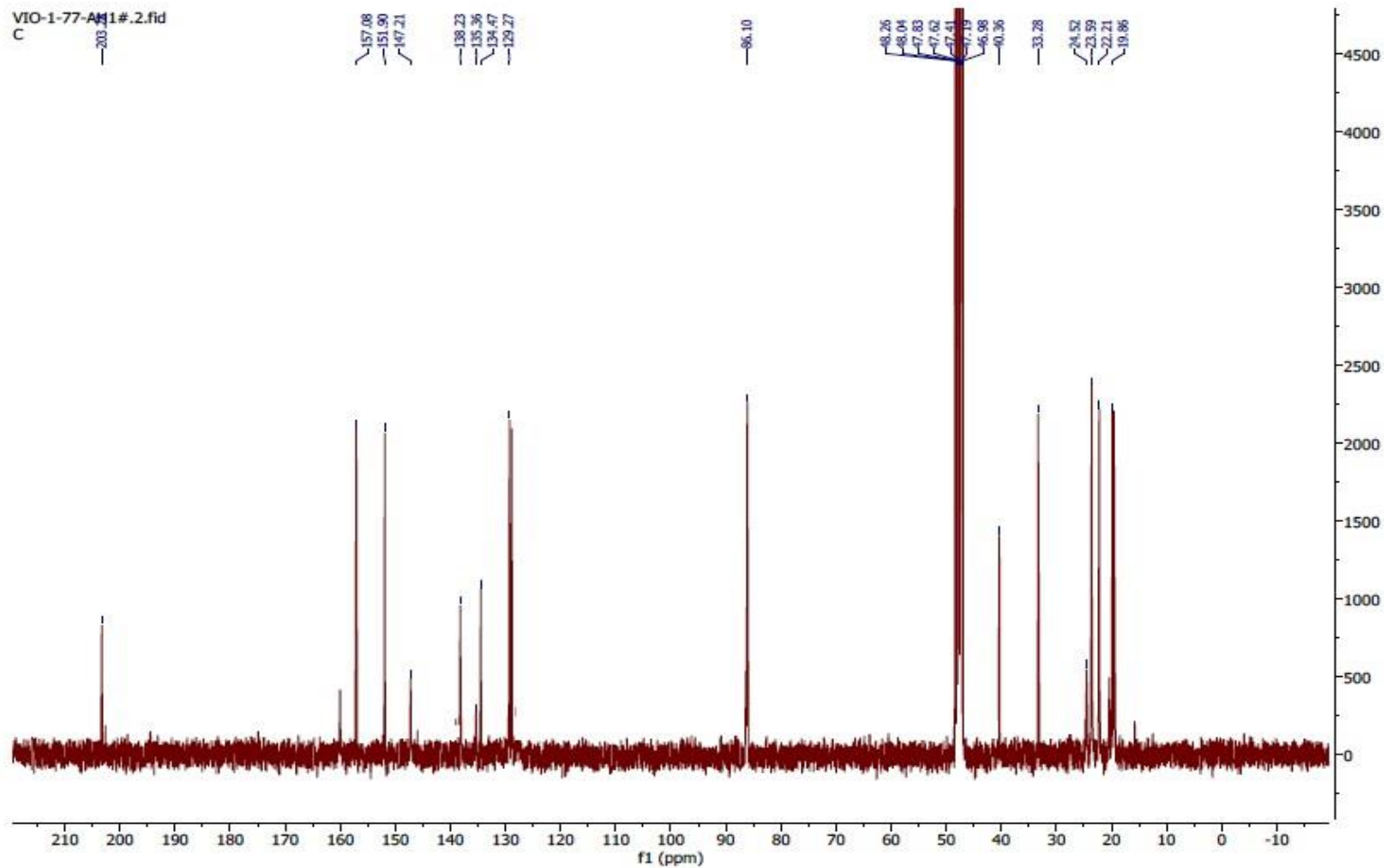


Figure S7: ^{13}C (125 MHz, CD_3OD) spectrum of **2**
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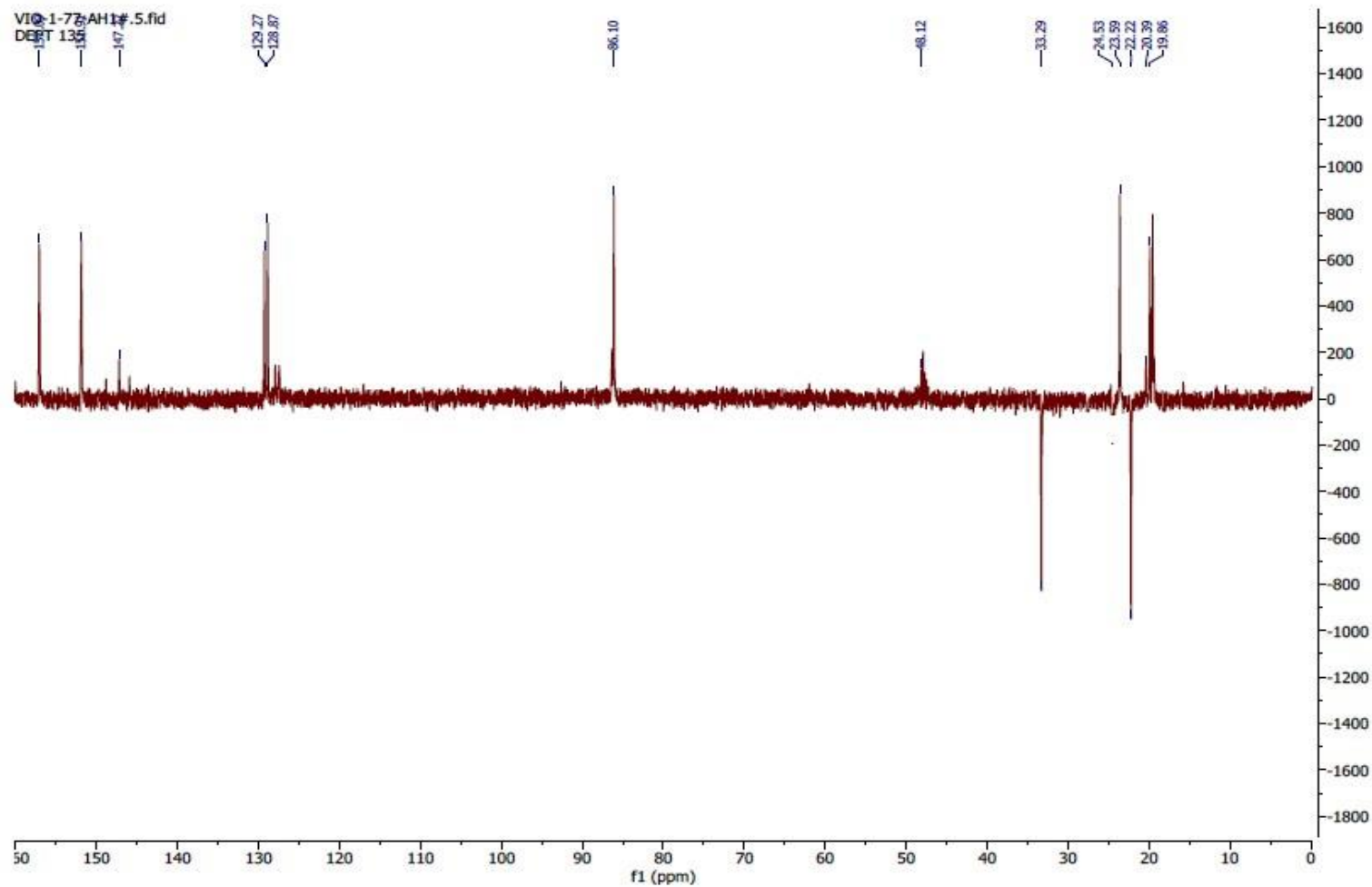


Figure S8: DEPT 135 (125 MHz, CD₃OD) spectrum of **2**
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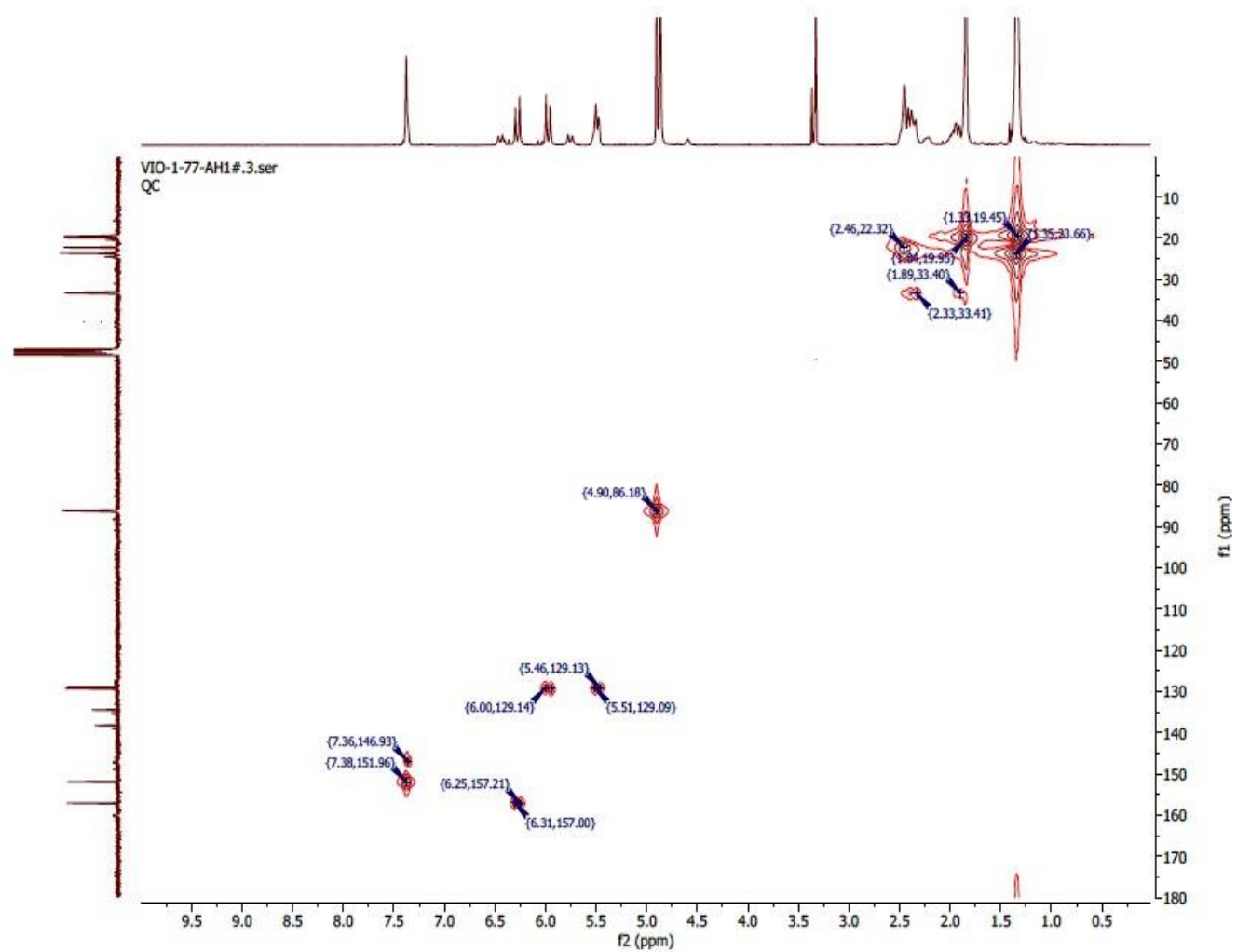


Figure S9: HMQC spectrum of **2**

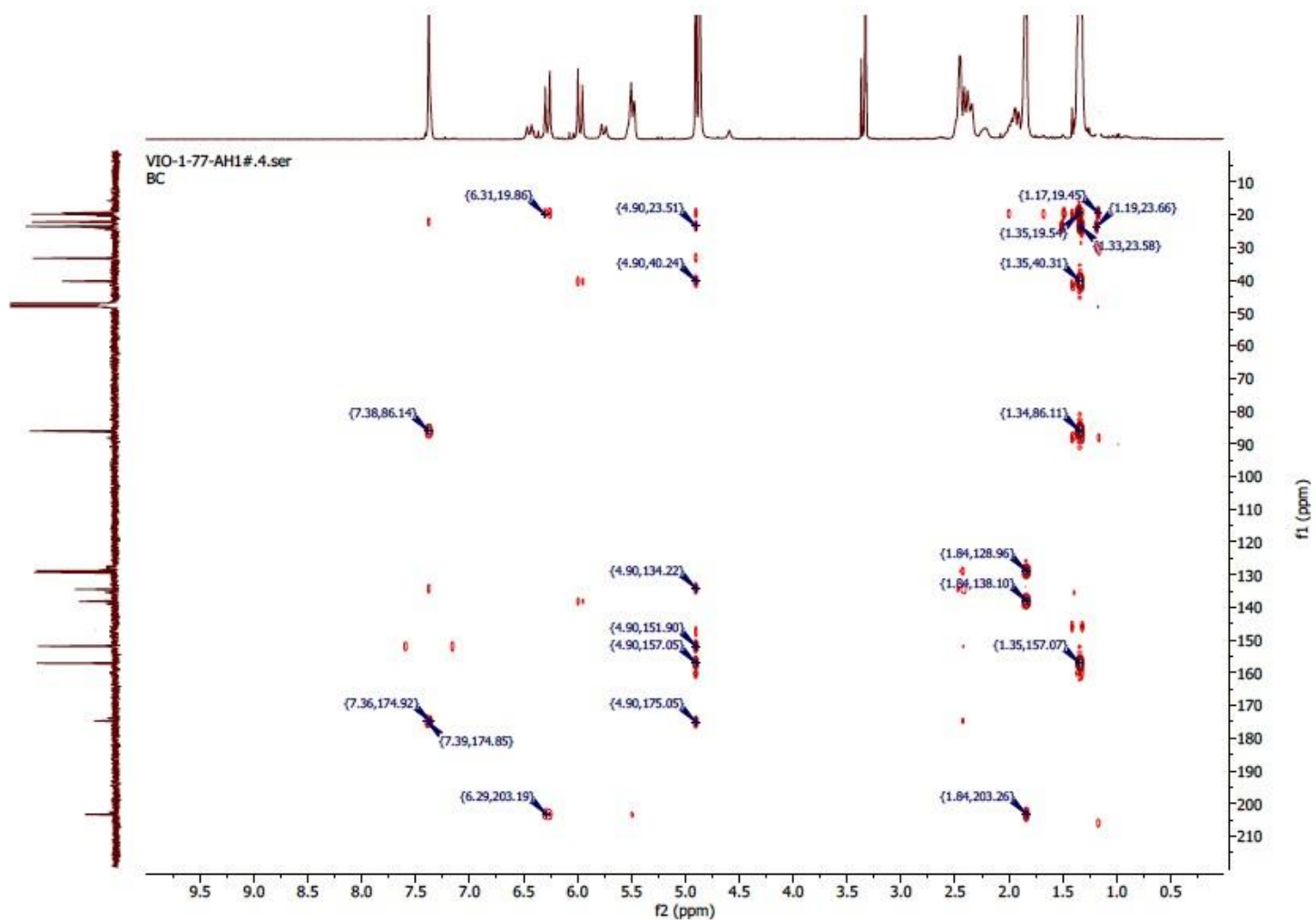


Figure S10: HMBC spectrum of 2