Synthesis of tetrahydroberberine *N,N*-derived *O*-acetamides

Ivan V. Nechepurenko *, Nina I. Komarova, Nariman F. Salakhutdinov

Vorozhtsov Novosibirsk Institute of Organic Chemistry, Siberian Branch, Russian Academy of Sciences, Novosibirsk, 630090 Russia

**e-mail: niv@nioch.nsc.ru*

Supporting Info

Fig. S1. Spectrum of Compound **3a**, ^{1}H NMR (400 MHz, DMSO-d6)

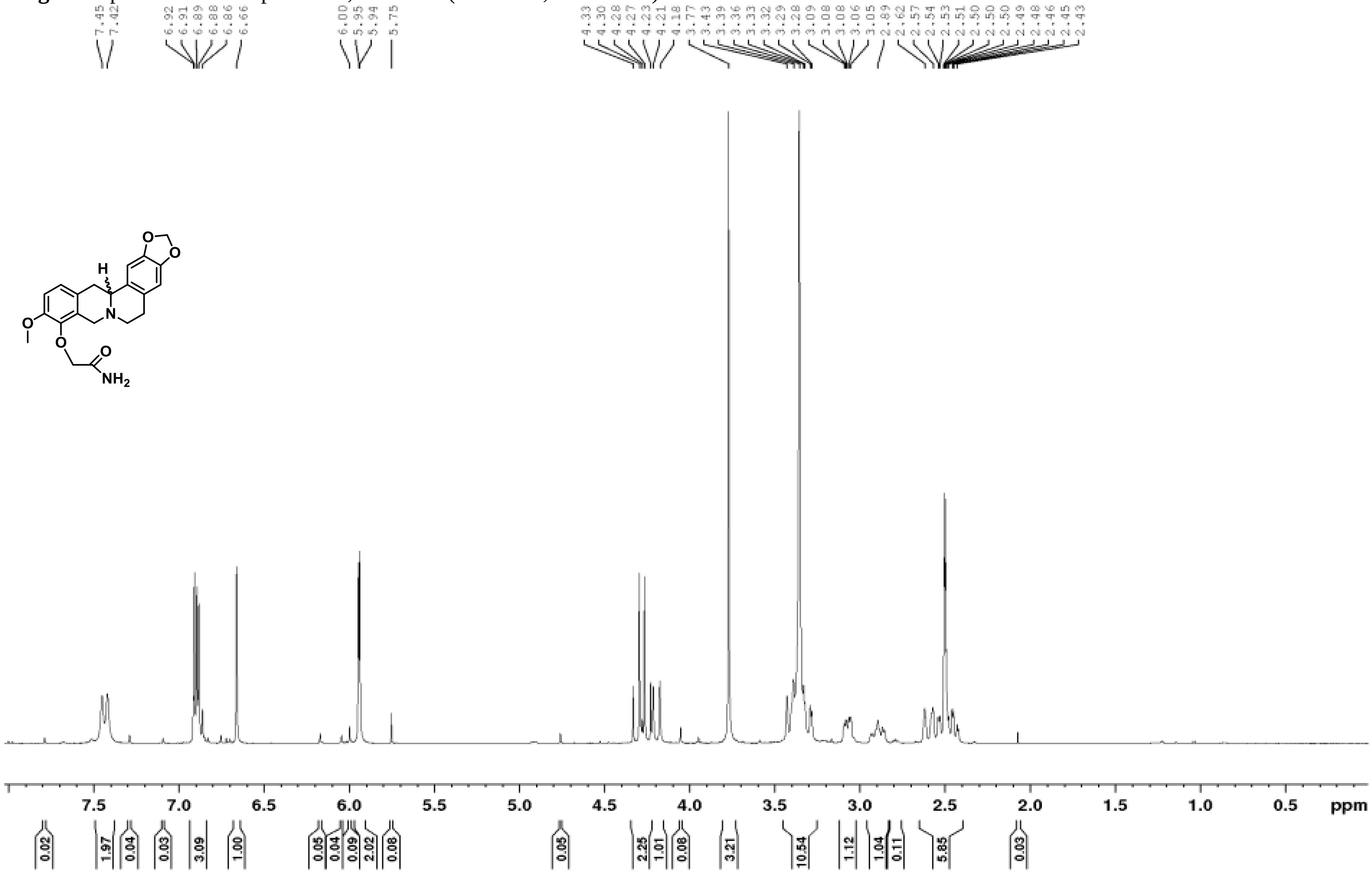


Fig. S2. Spectrum of Compound **3a**, ^{13}C NMR, (100 MHz, DMSO-d6)

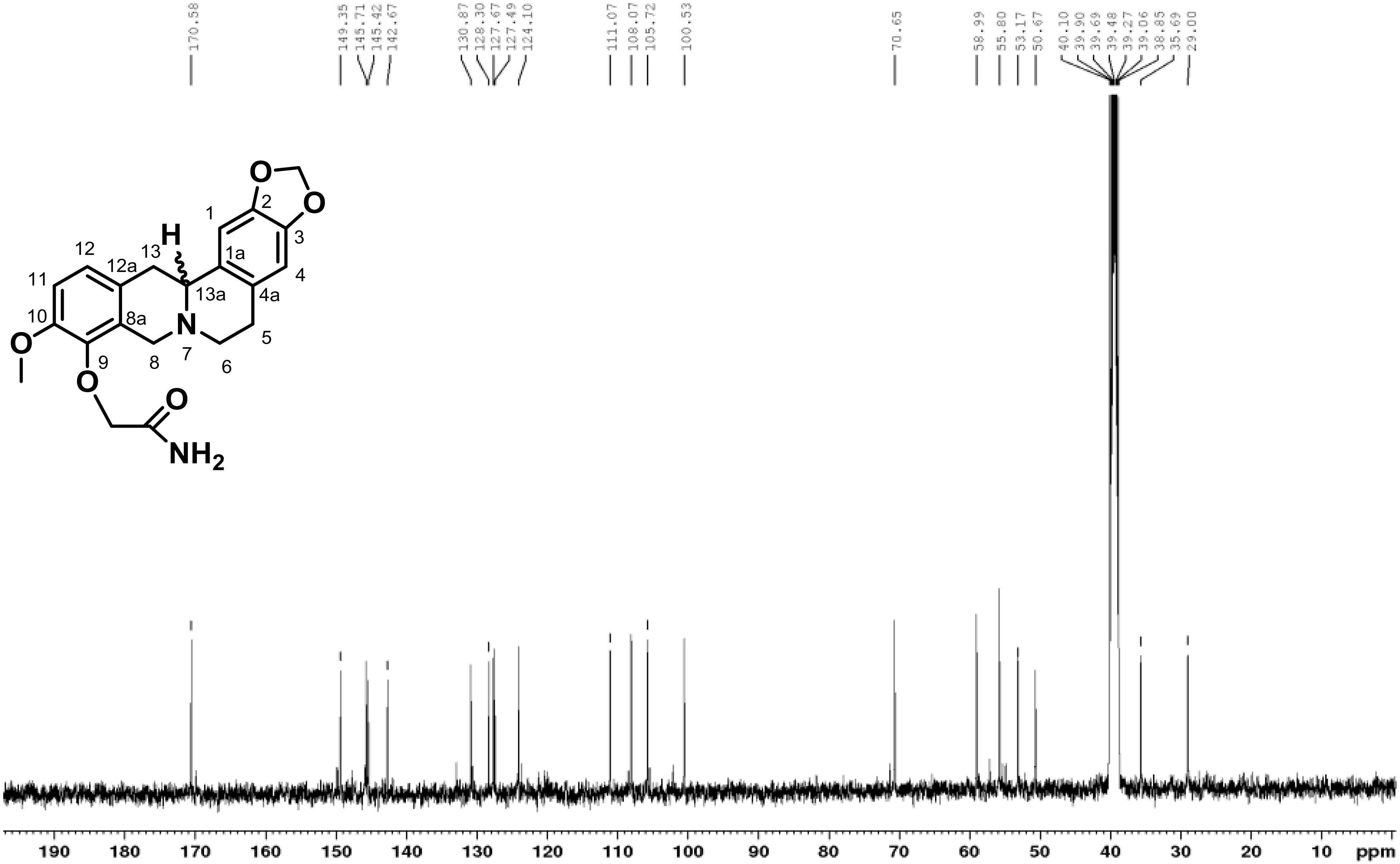


Fig. S3. Spectrum of Compound **3b**, ^{1}H NMR (400 MHz, $CDCl_3$)

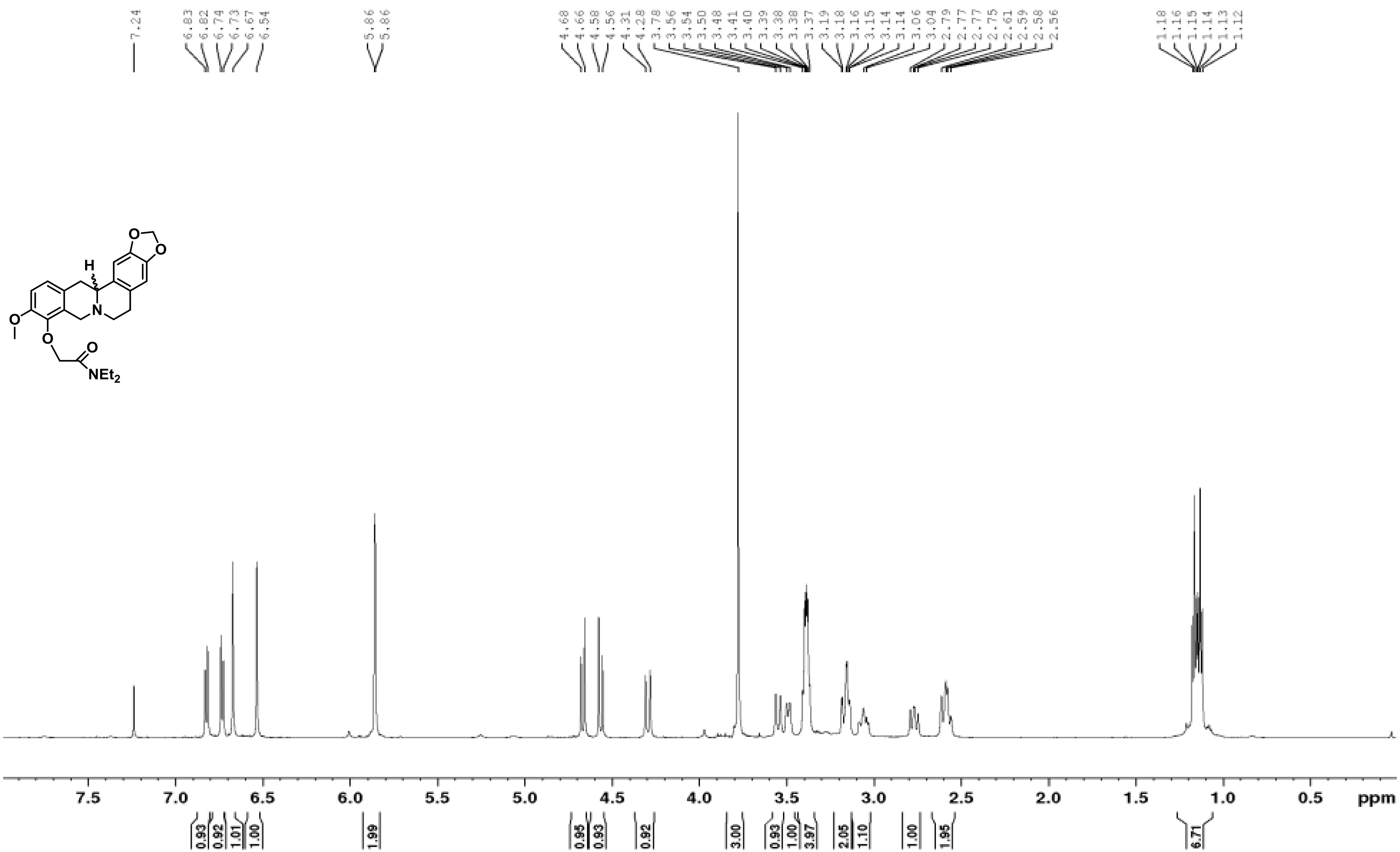


Fig. S4. Spectrum of Compound **3b**, ^{13}C NMR (100 MHz, $CDCl_3$)

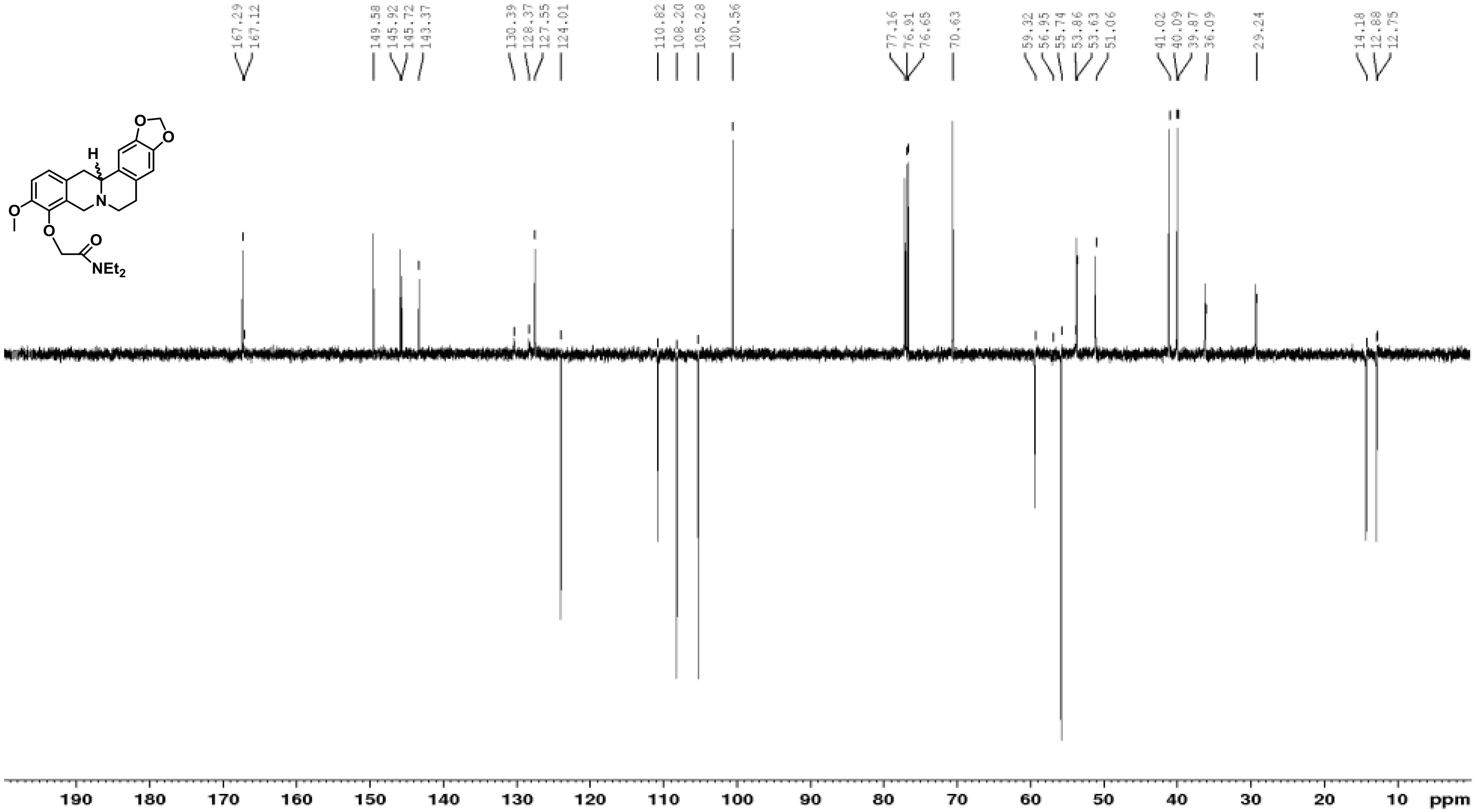
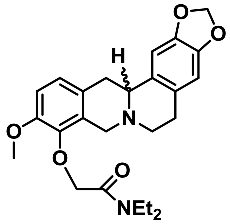


Fig. S5. Spectrum of Compound **3b**, ^{1}H-^{1}H NMR, COSY



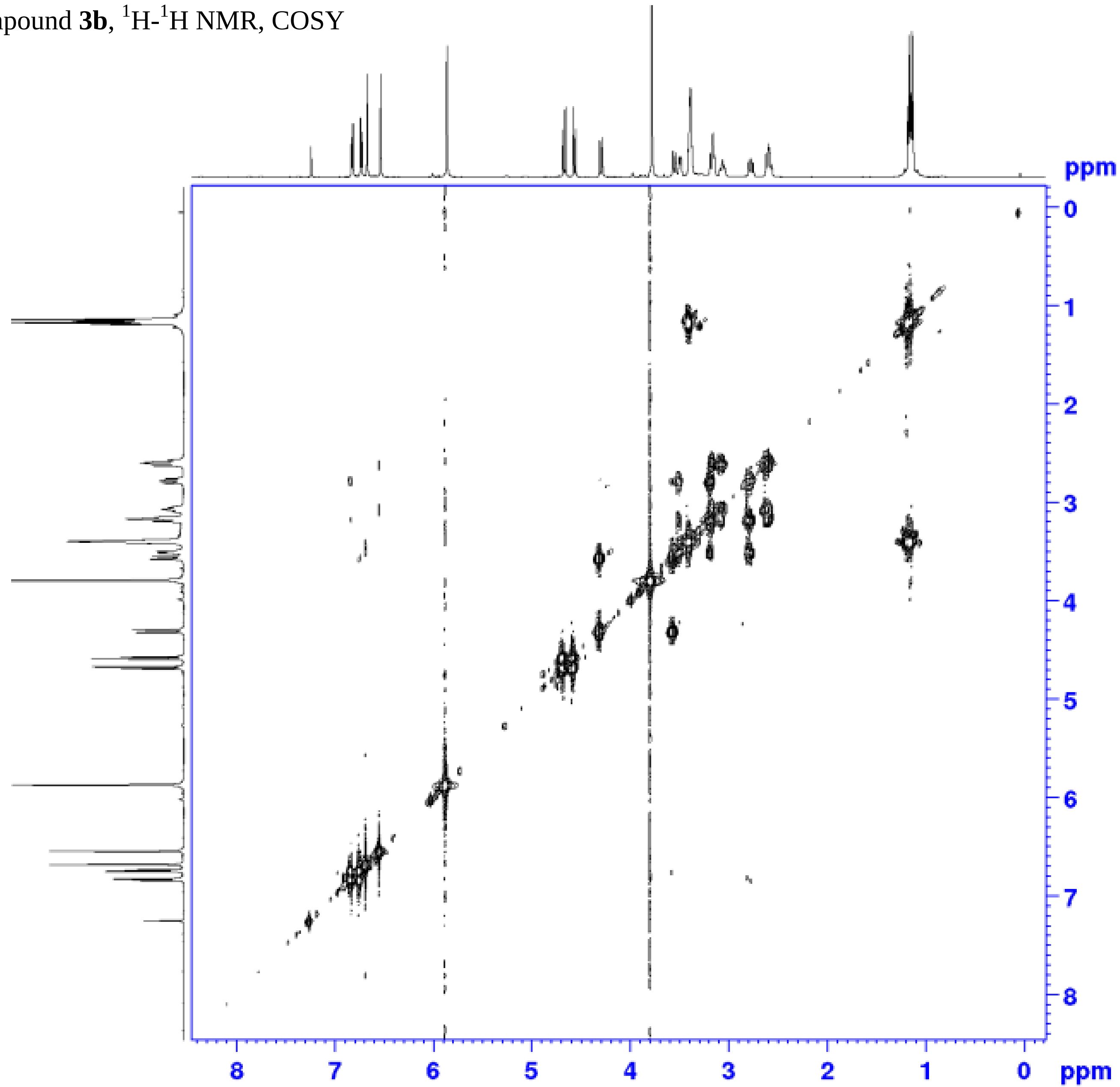
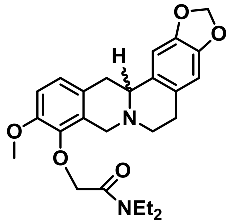


Fig. S6. Spectrum of Compound **3b**, ^{1}H-^{1}H NMR, NOESY



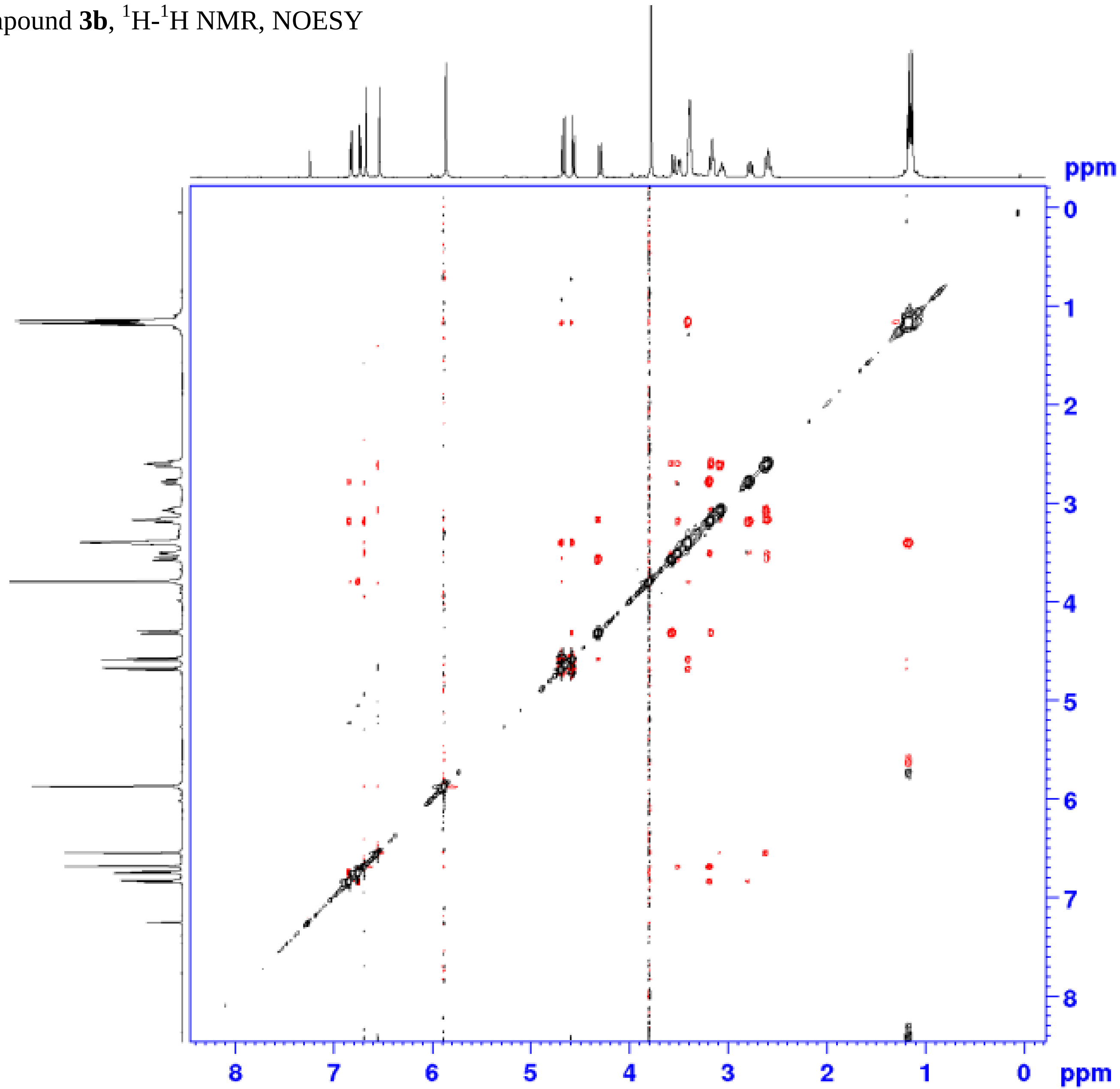


Fig. S7. Spectrum of Compound **3b**, ^{1}H-^{13}C NMR, HSQC

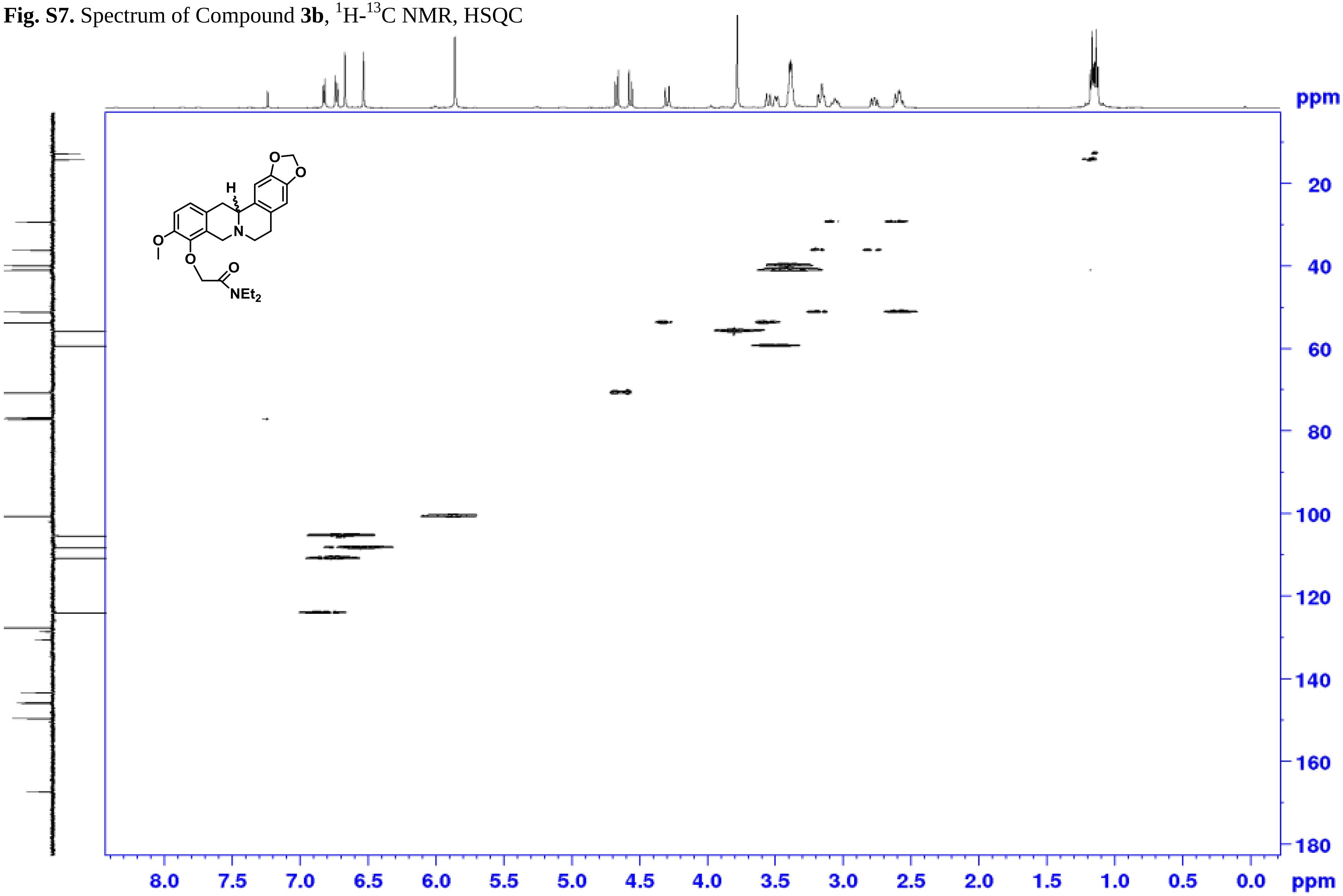


Fig. S8. Spectrum of Compound **3b**, ^{1}H-^{13}C NMR, HMBC

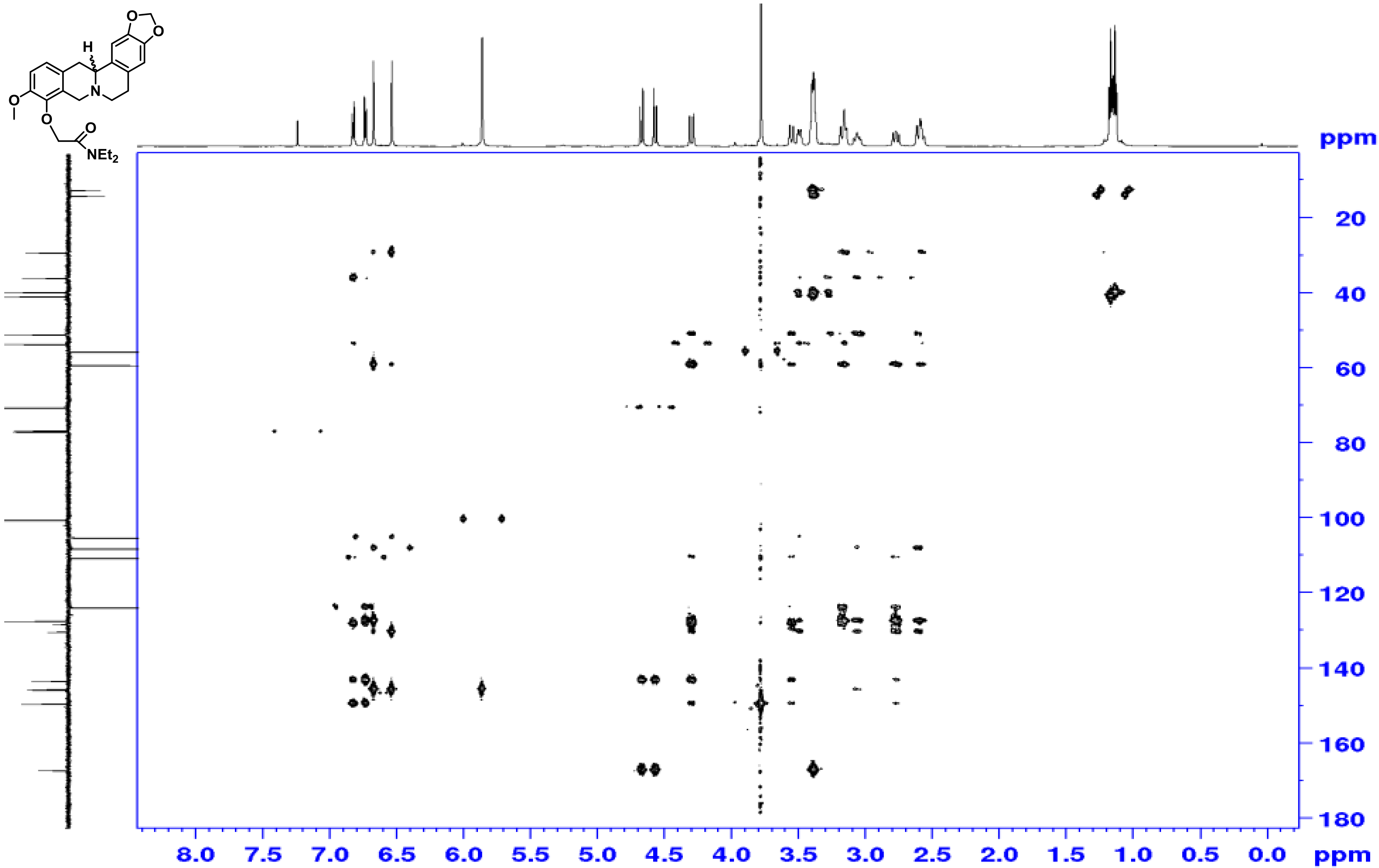


Fig. S9. Spectrum of Compound **3c**, ^{1}H NMR (400 MHz, $CDCl_3$)

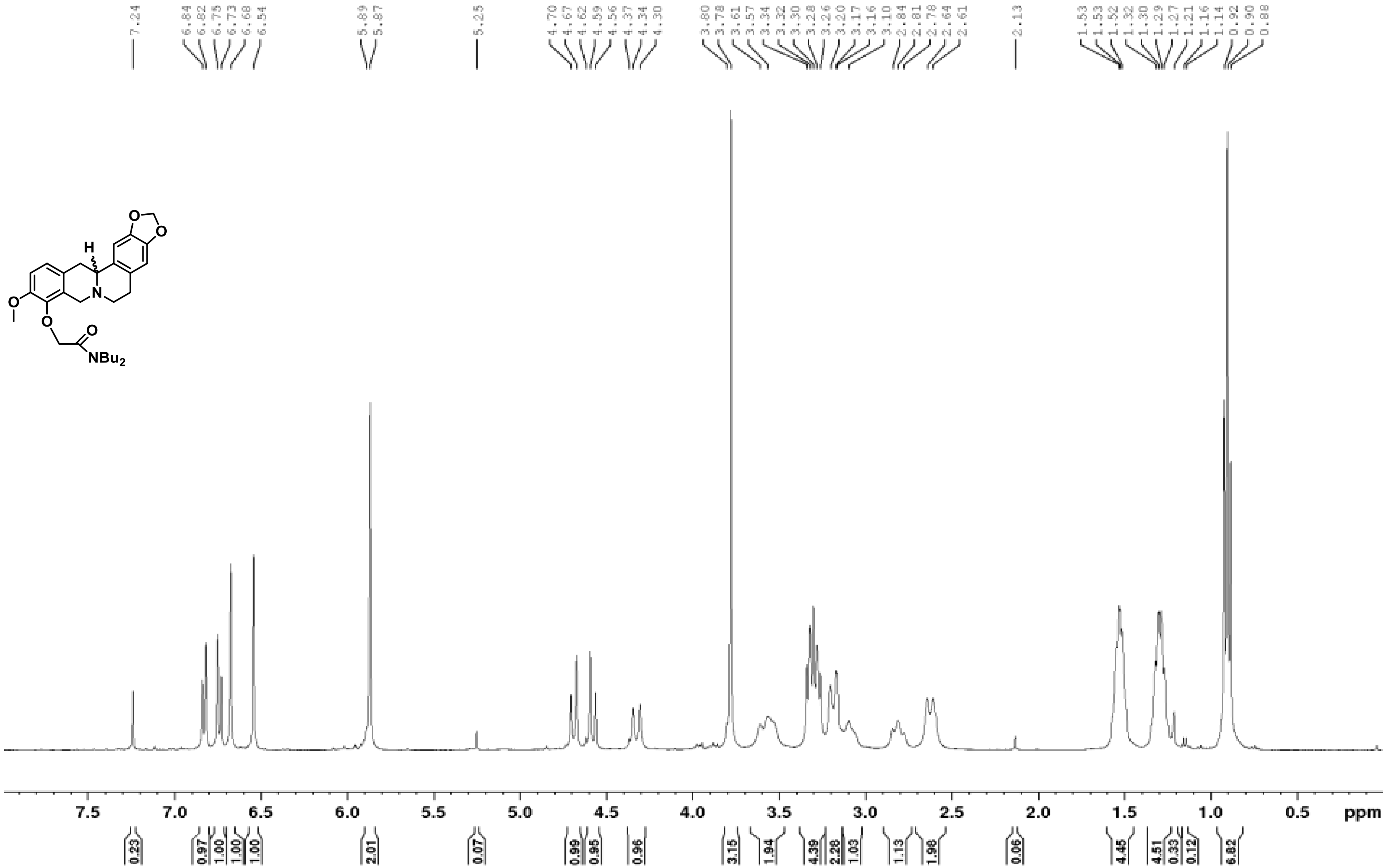


Fig. S10. Spectrum of Compound **3c**, ^{13}C NMR (100 MHz, $CDCl_3$)

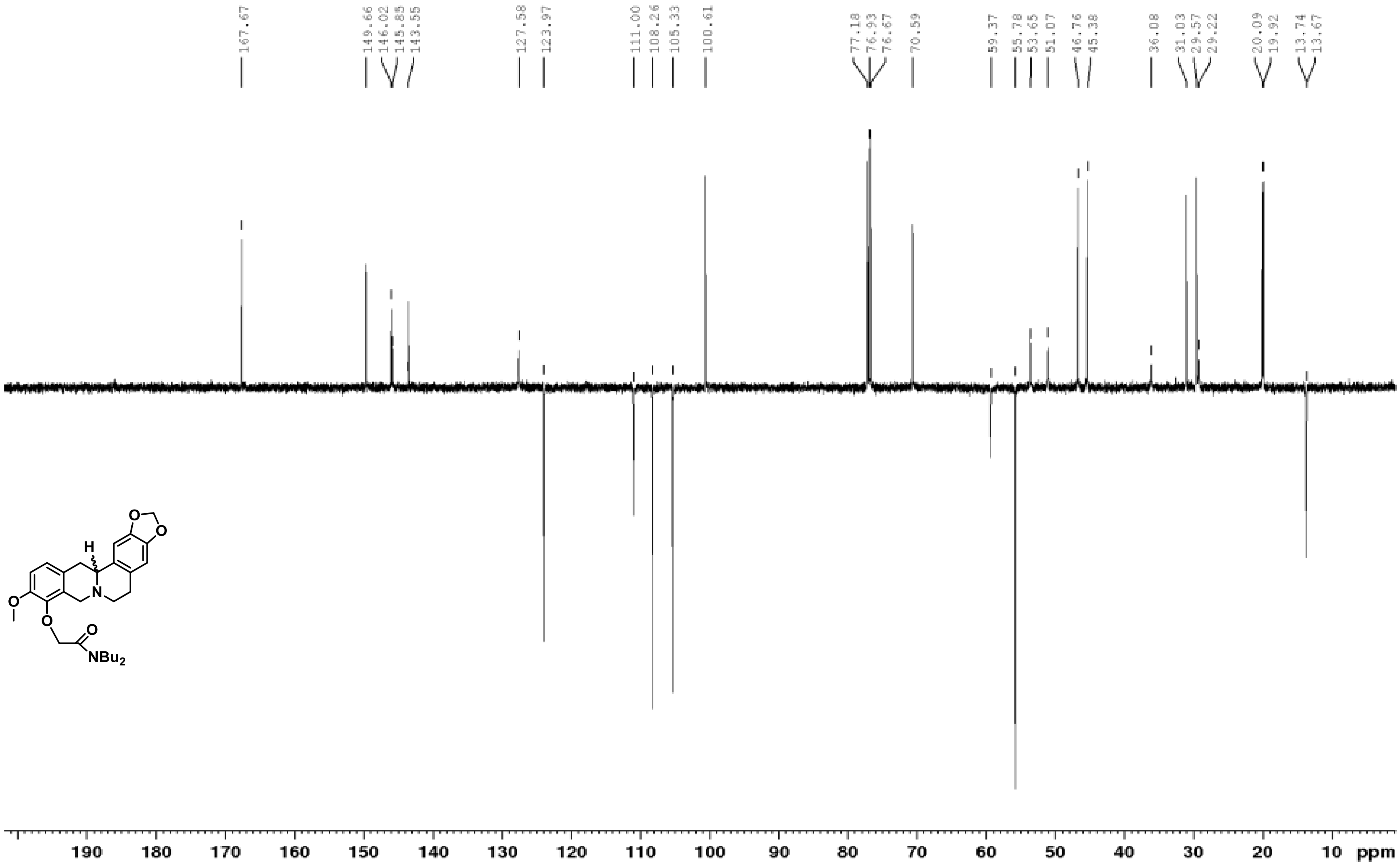


Fig. S11. Spectrum of Compound **3d**, ^{1}H NMR (400 MHz, $CDCl_3$)

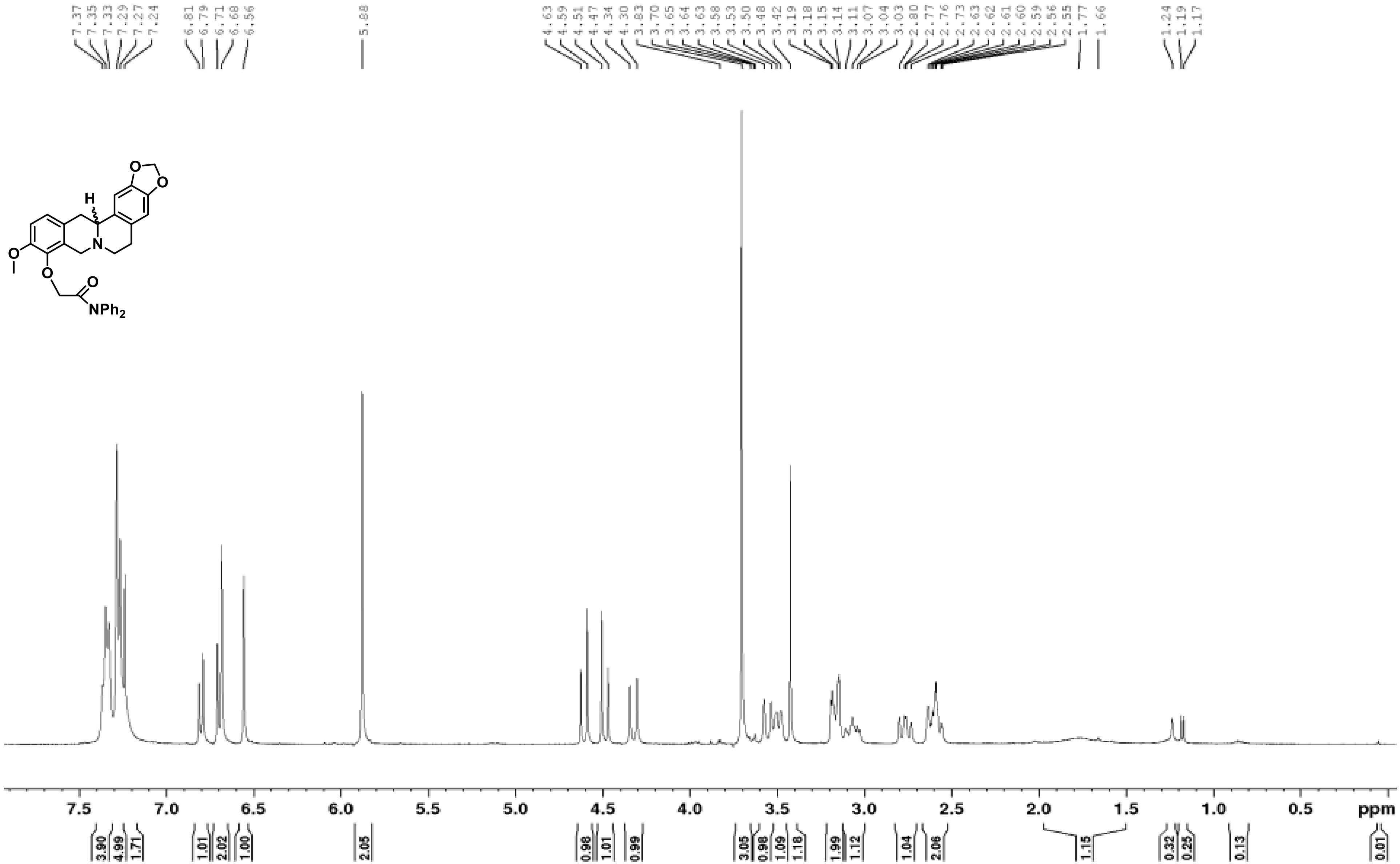


Fig. S12. Spectrum of Compound **3d**, ^{13}C NMR (100 MHz, $CDCl_3$)

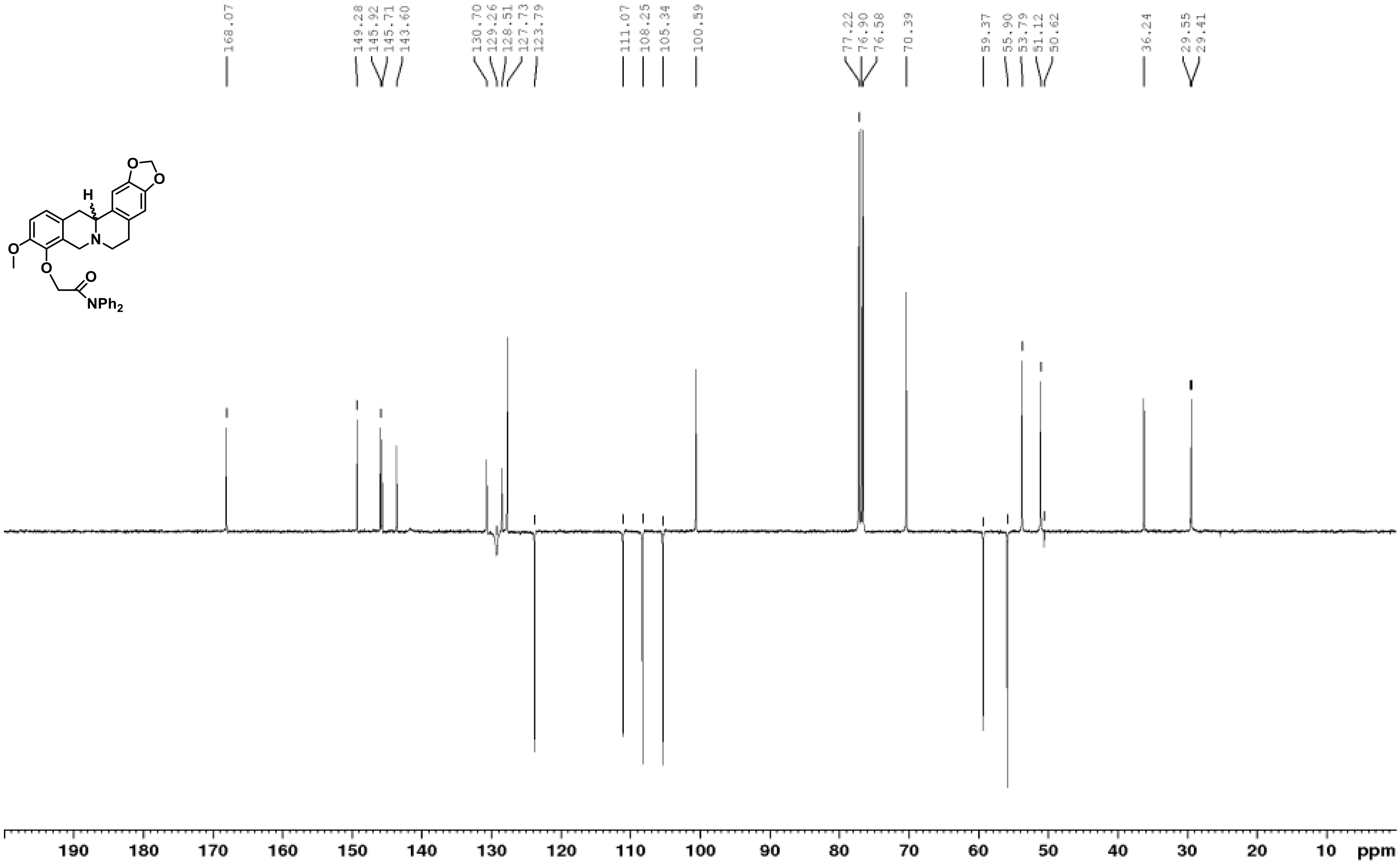


Fig. S13. Spectrum of Compound **3e**, ^{1}H NMR (400 MHz, DMSO-d6)

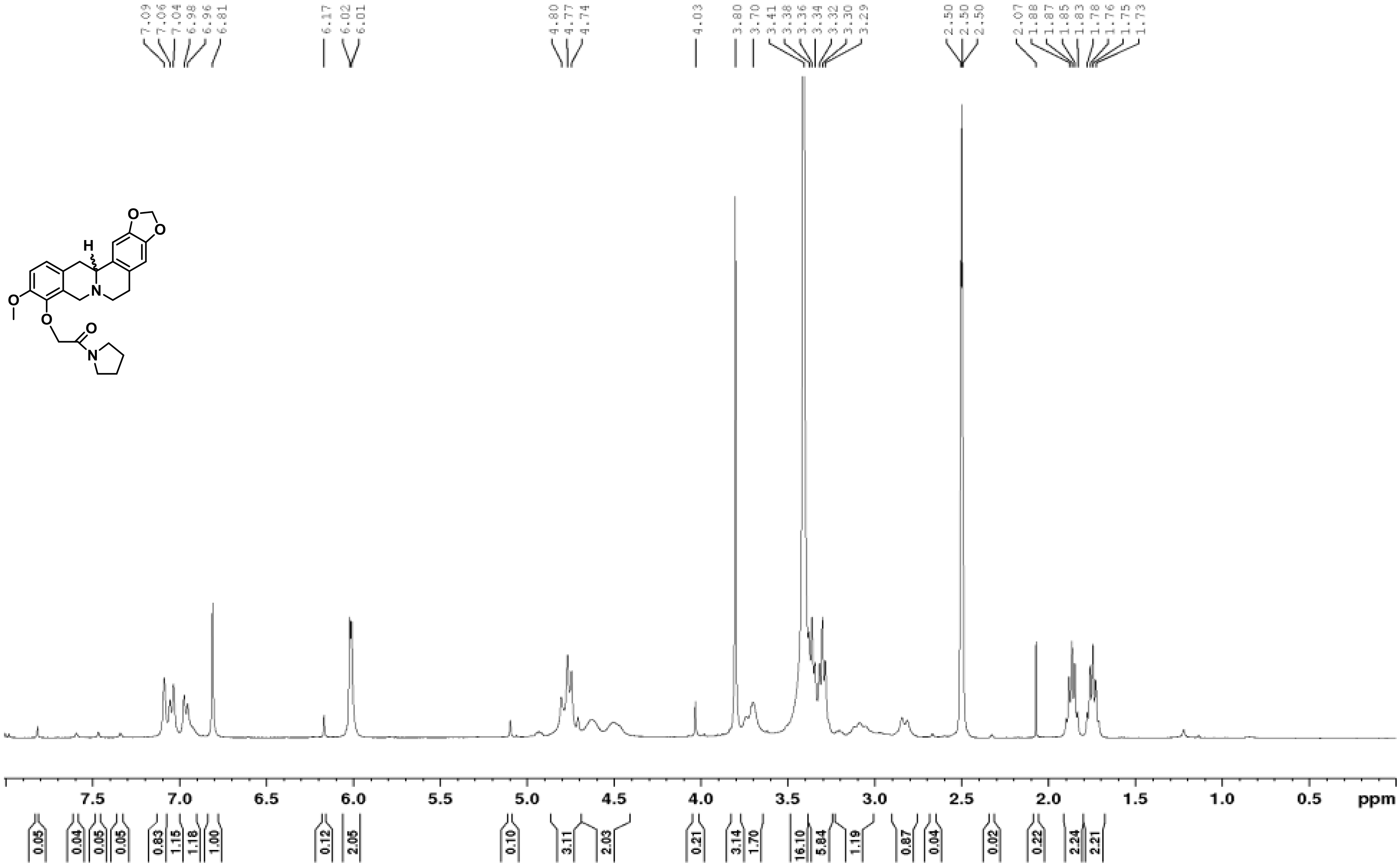


Fig. S14. Spectrum of Compound **3e**, ^{13}C NMR (100 MHz, DMSO-d6)

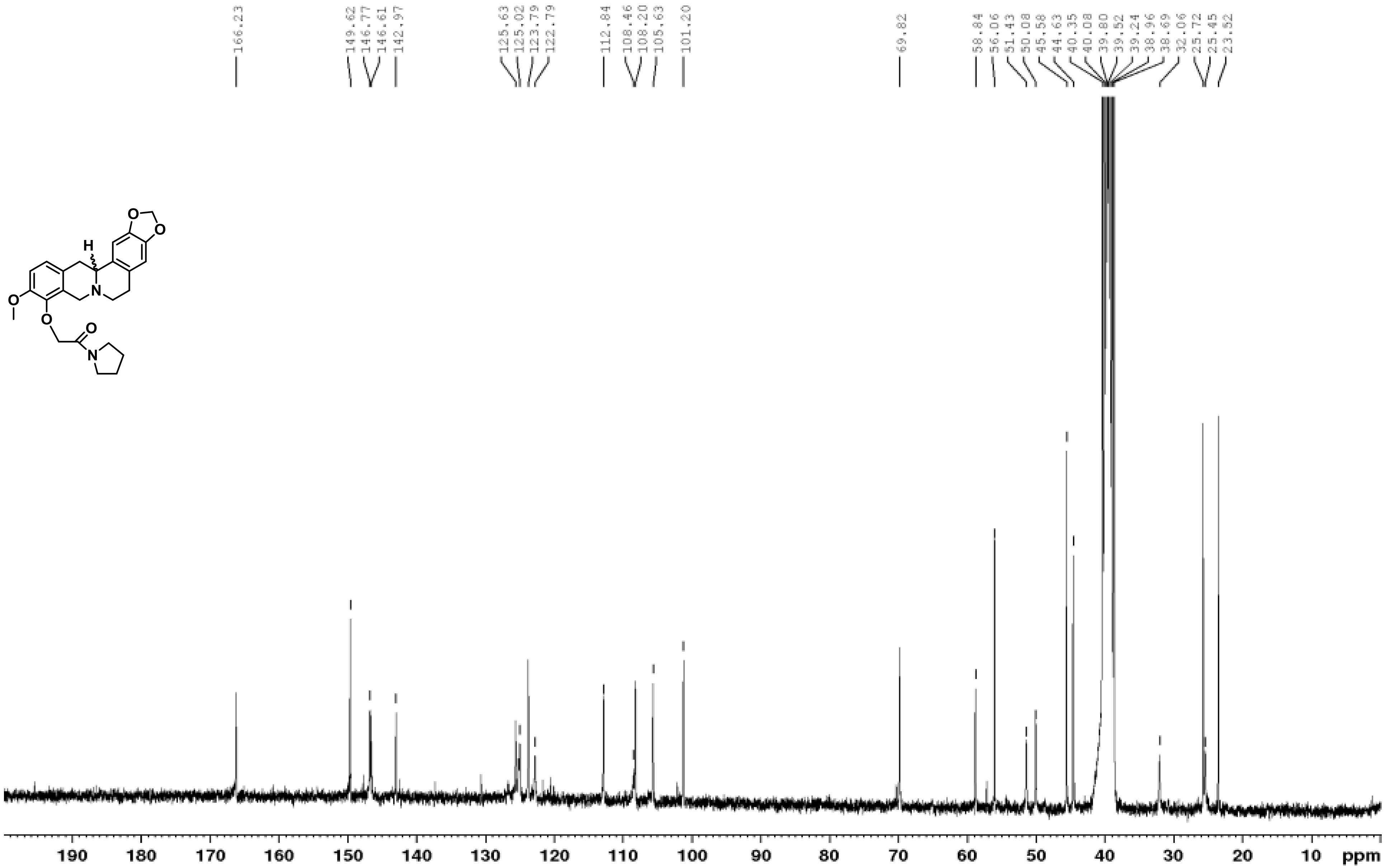


Fig. S15. Spectrum of Compound **3f**, ^{1}H NMR (400 MHz, $CDCl_3$)

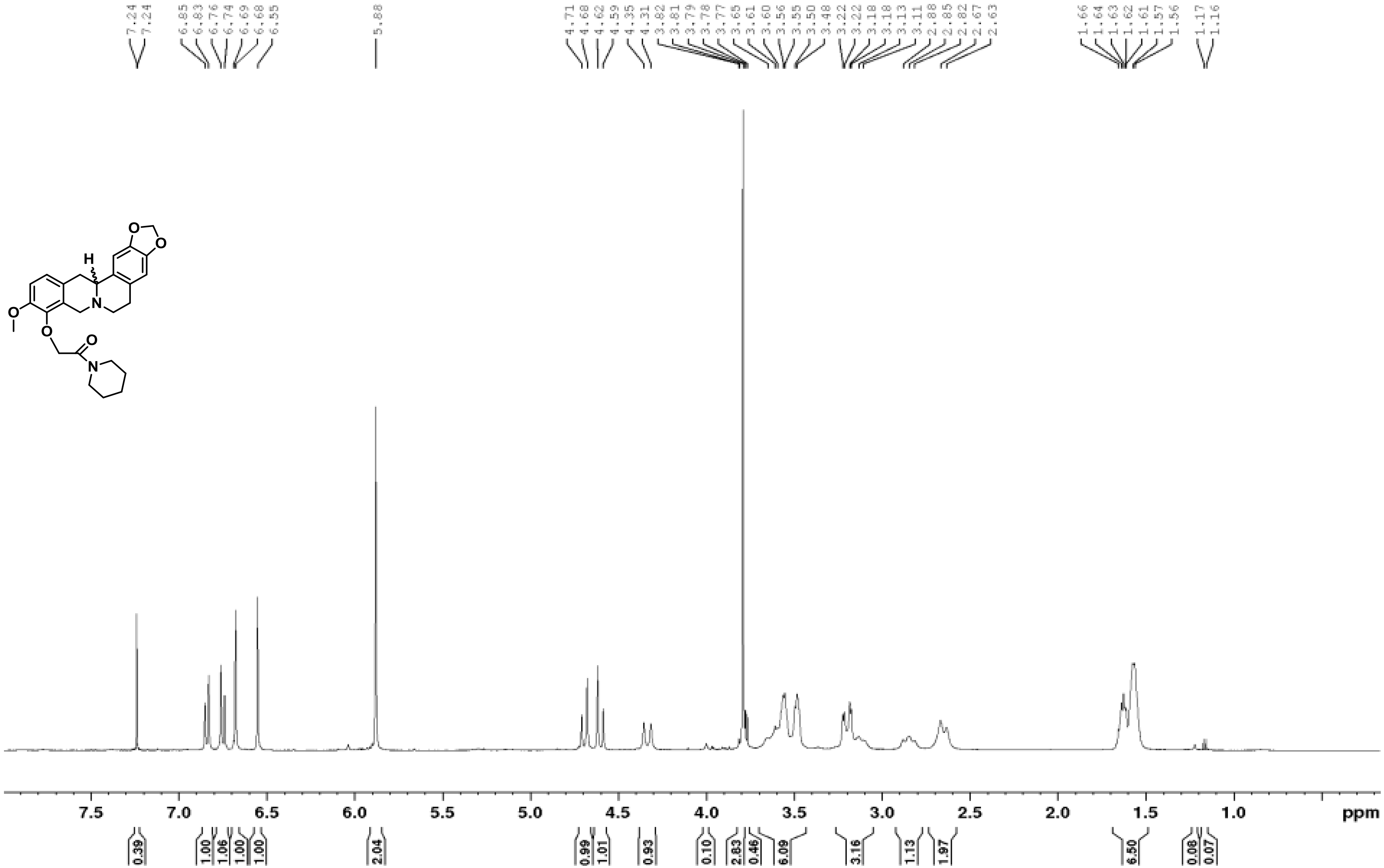


Fig. S16. Spectrum of Compound **3f**, ^{13}C NMR (100 MHz, $CDCl_3$)

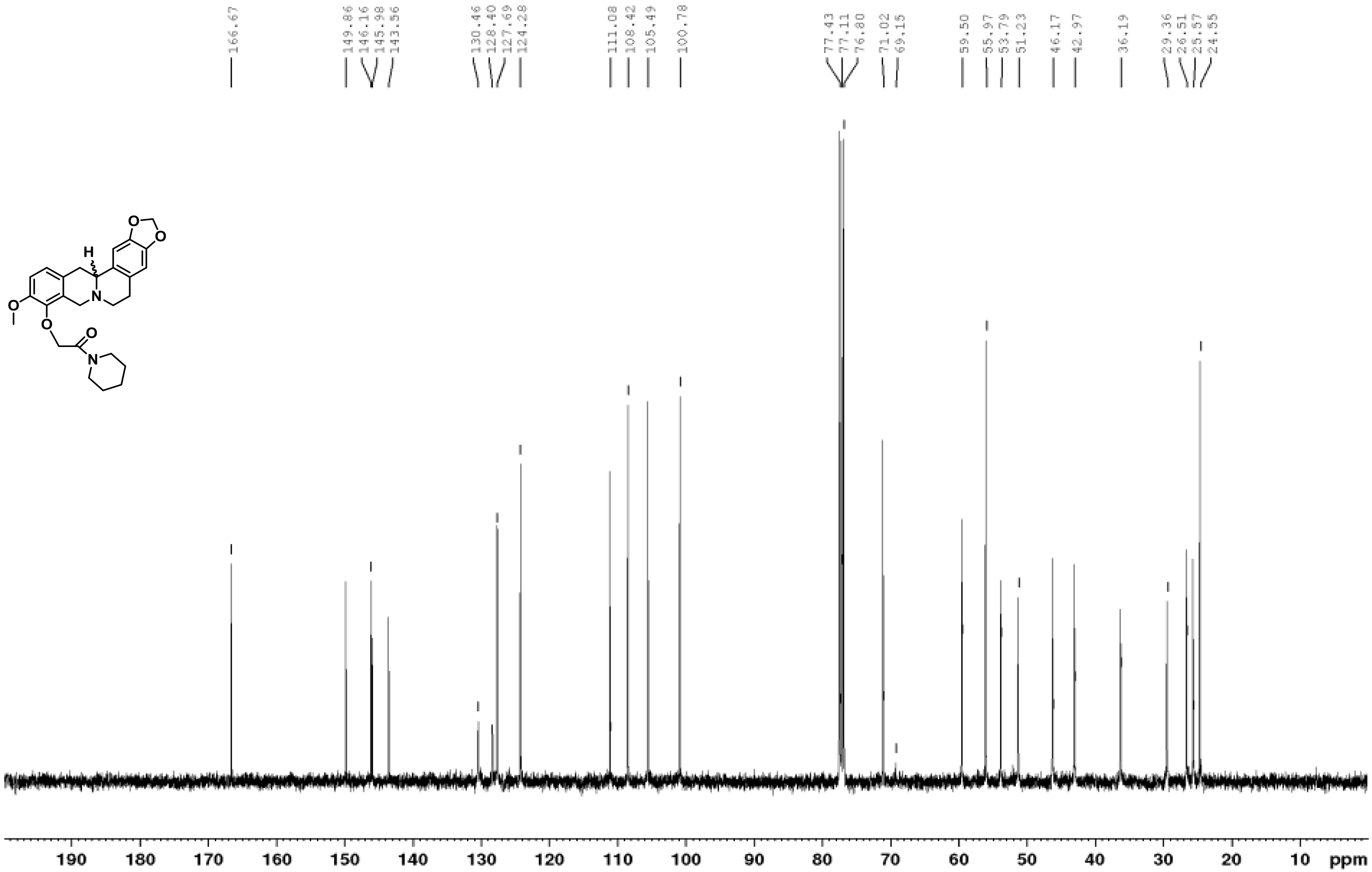
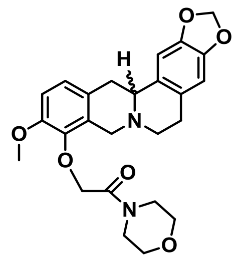


Fig. S17. Spectrum of Compound **3g**, ^{1}H NMR (400 MHz, $CDCl_3$)



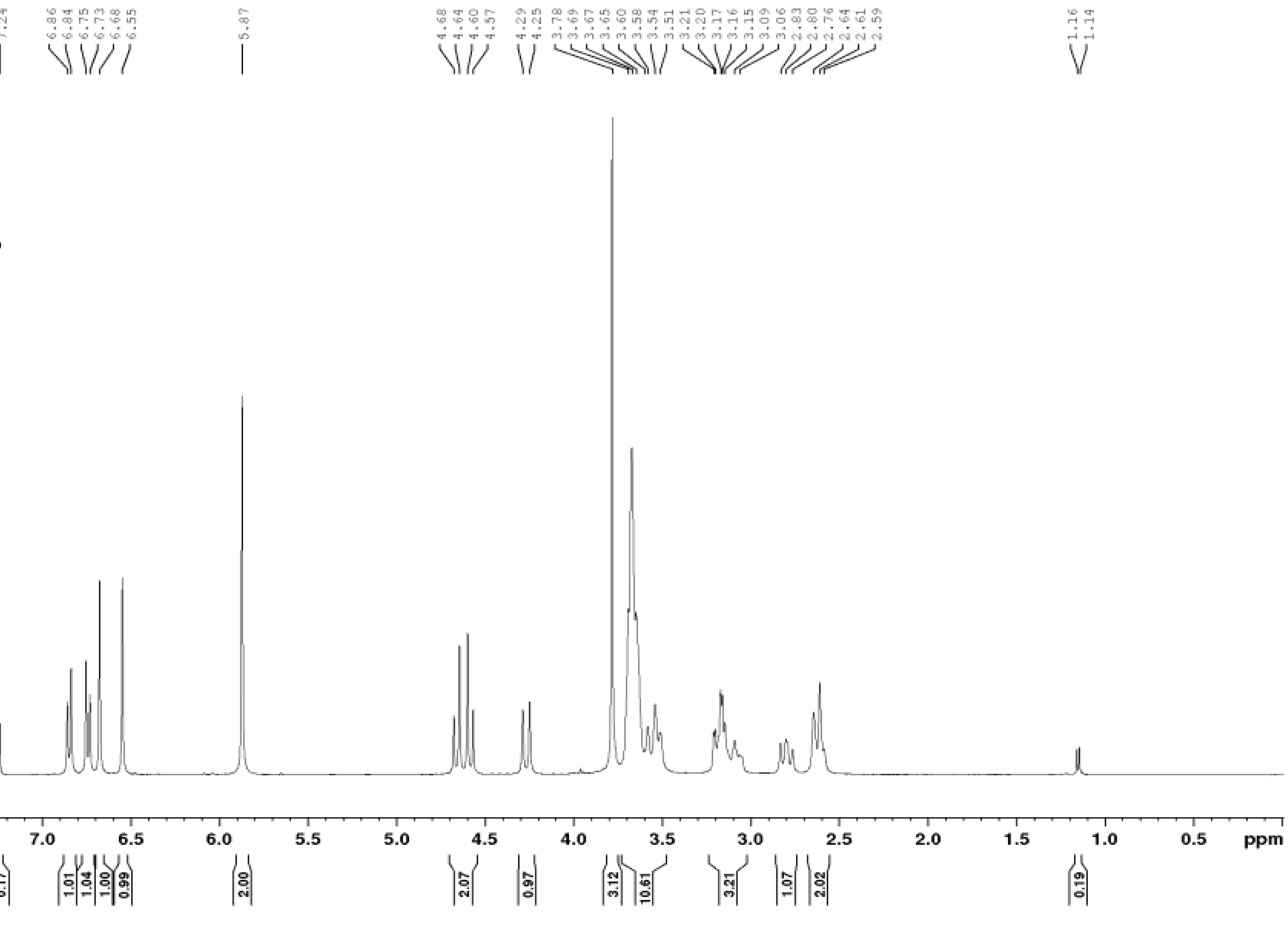


Fig. S18. Spectrum of Compound **3g**, ^{13}C NMR (100 MHz, $CDCl_3$)