

Design, Synthesis and Biological Evaluation of Jahanyne Analogues as Cell Cycle Arrest Inducers

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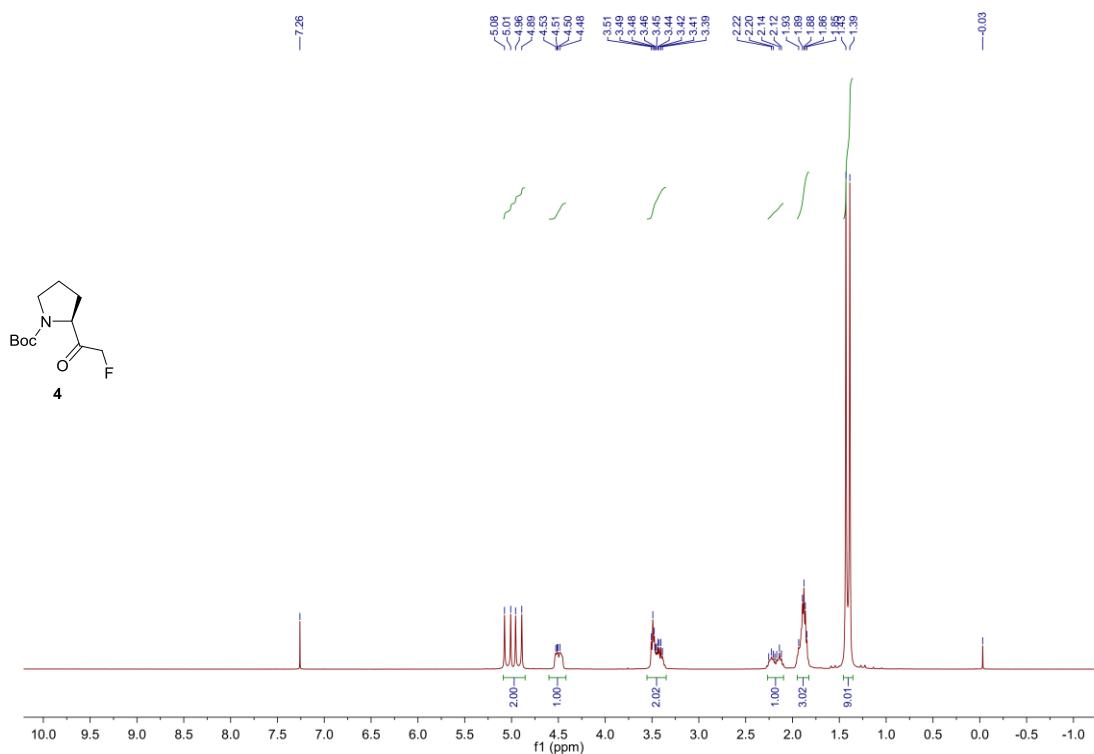


Figure S1. ¹H NMR (400 MHz, CDCl₃) spectrum of compound 4.

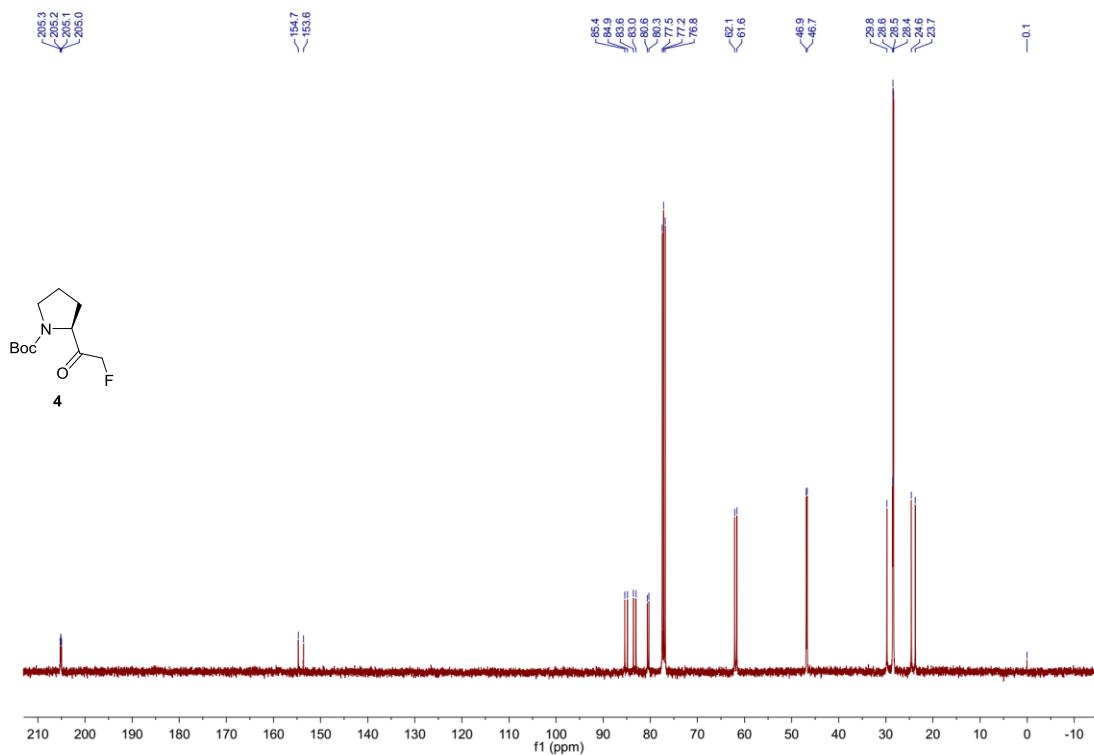


Figure S2. ¹³C NMR (100 MHz, CDCl₃) spectrum of compound 4.

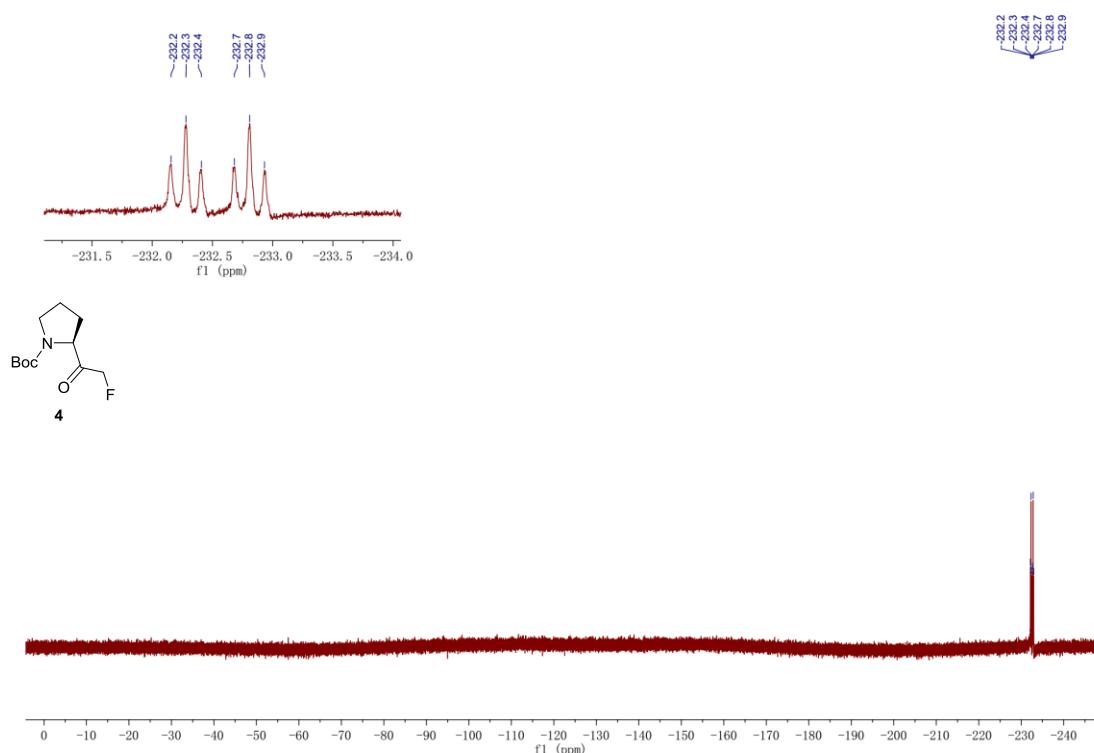


Figure S3. ^{19}F NMR (400 MHz, CDCl_3) spectrum of compound 4.

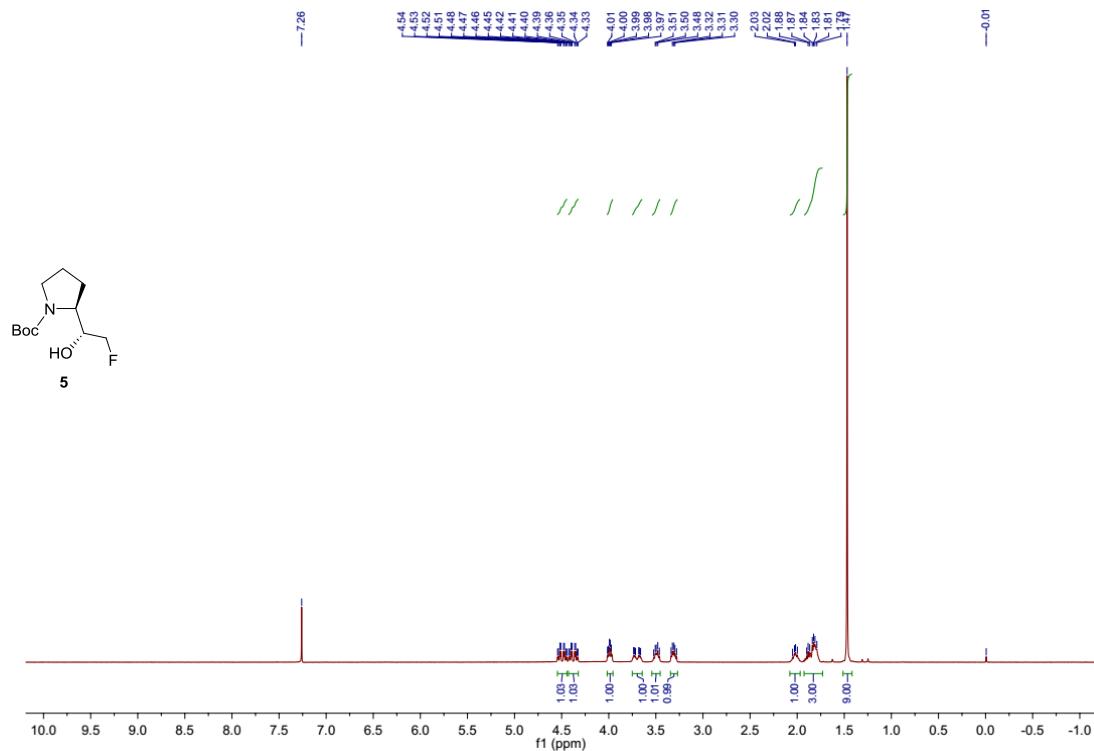


Figure S4. ^1H NMR (400 MHz, CDCl_3) spectrum of compound 5.

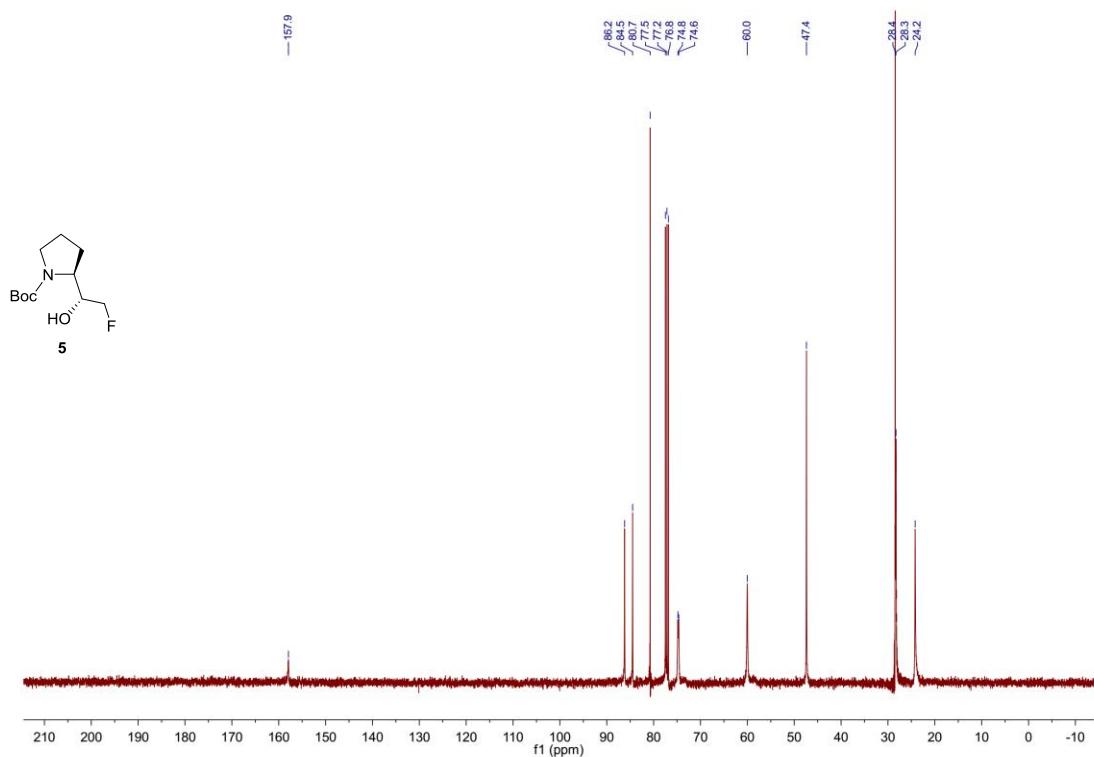


Figure S5. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **5**.

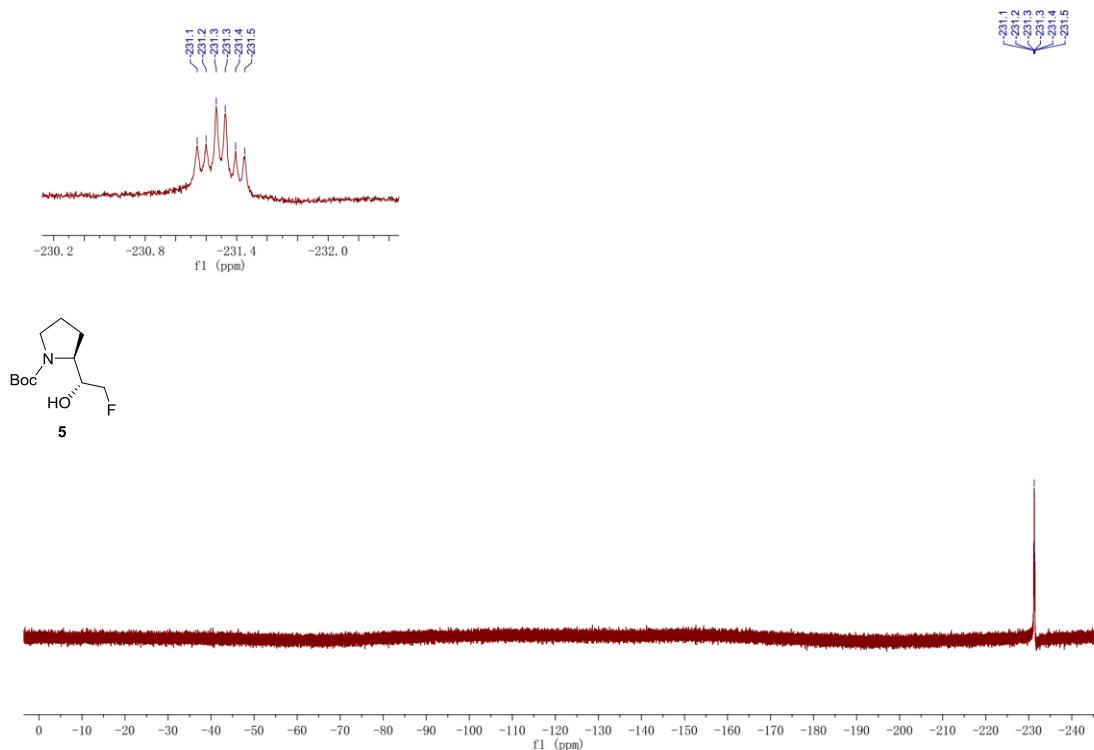


Figure S6. ^{19}F NMR (400 MHz, CDCl_3) spectrum of compound **5**.

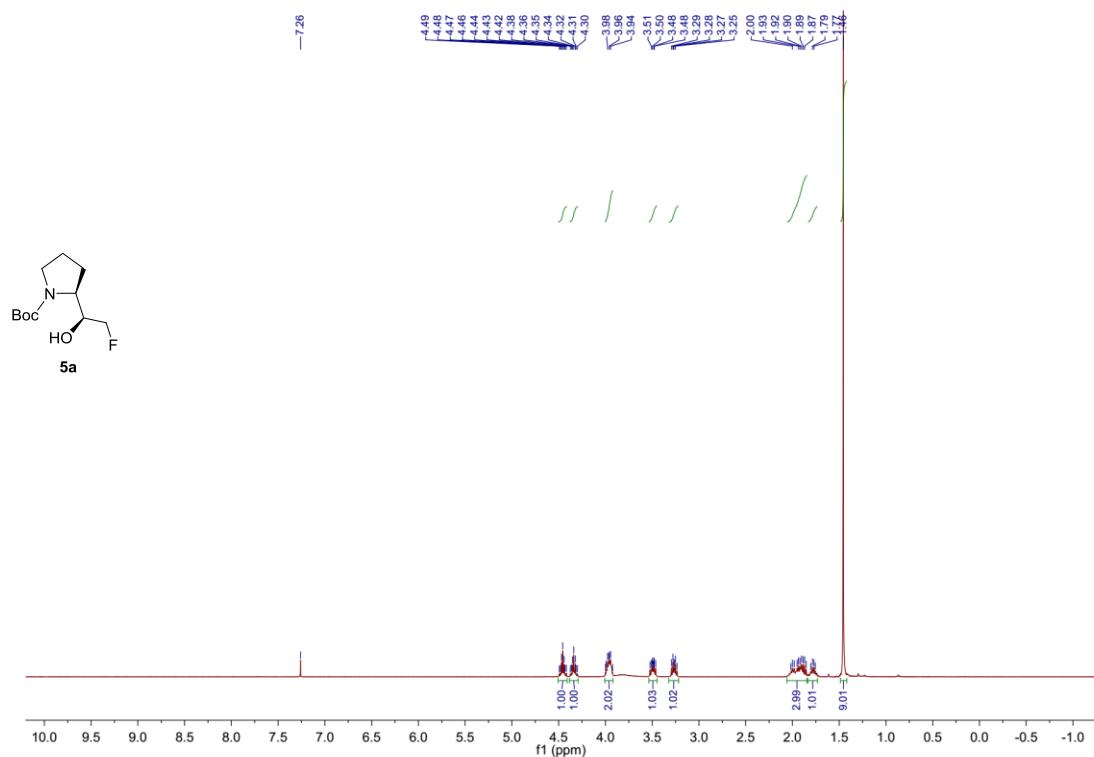


Figure S7. ^1H NMR (400 MHz, CDCl_3) spectrum of compound **5a**.

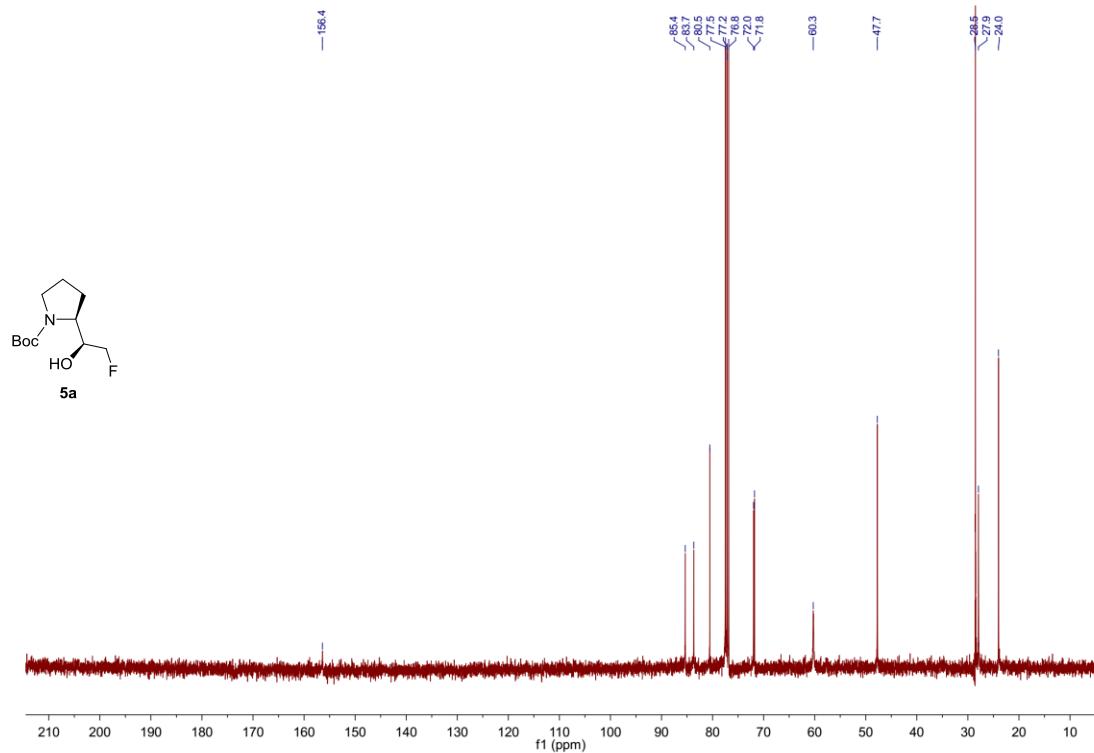


Figure S8. ^{13}C NMR (100 MHz, CDCl_3) spectrum of compound **5a**.

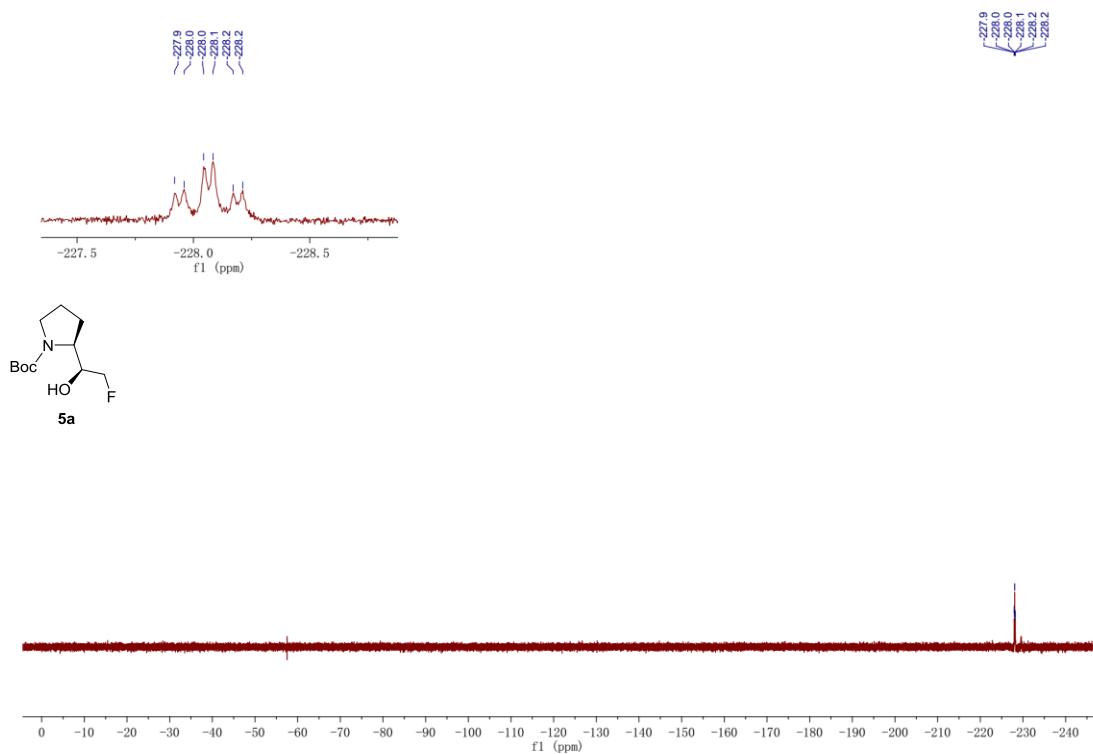


Figure S9. ^{19}F NMR (400 MHz, CDCl_3) spectrum of compound **5a**.

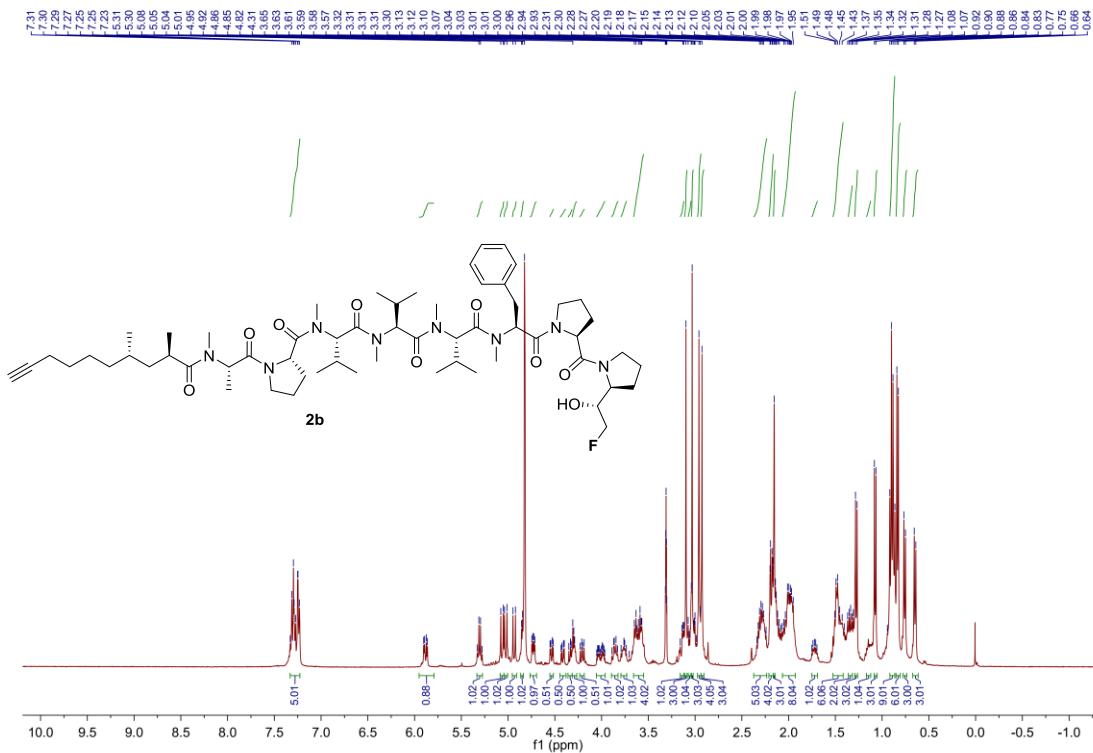


Figure S10. ^1H NMR (400 MHz, CD_3OD) spectrum of compound **2b**.

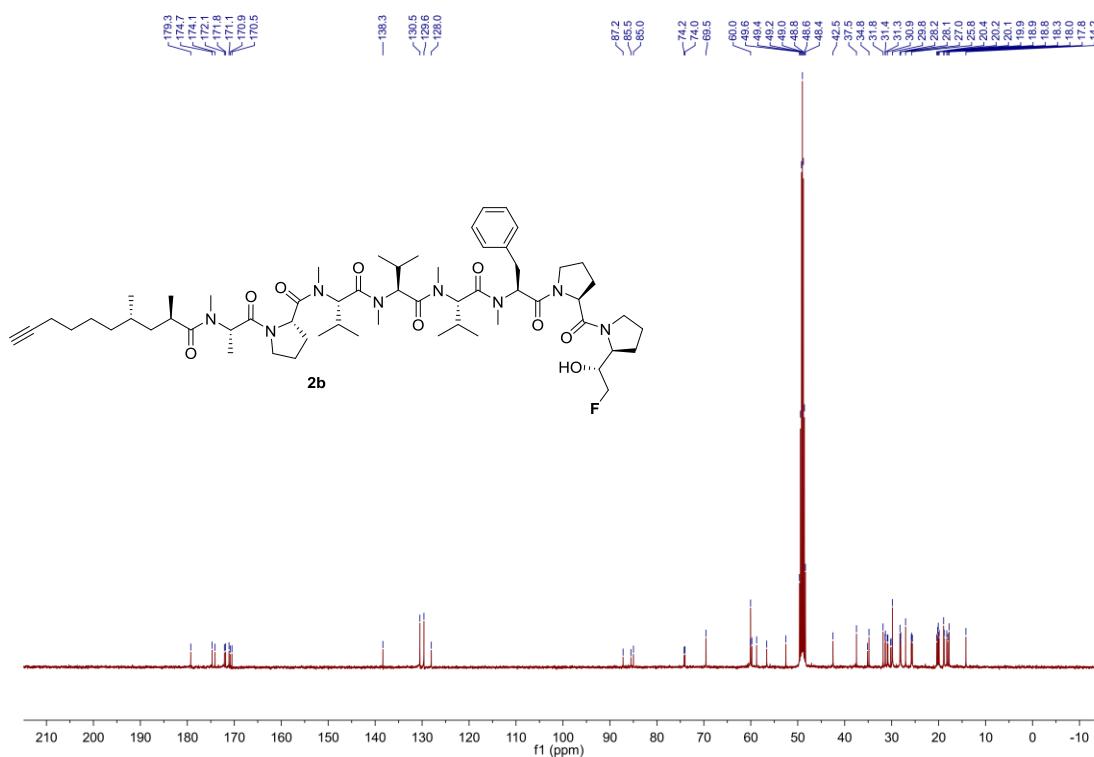


Figure S11. ^{13}C NMR (100 MHz, CD_3OD) spectrum of compound **2b**.

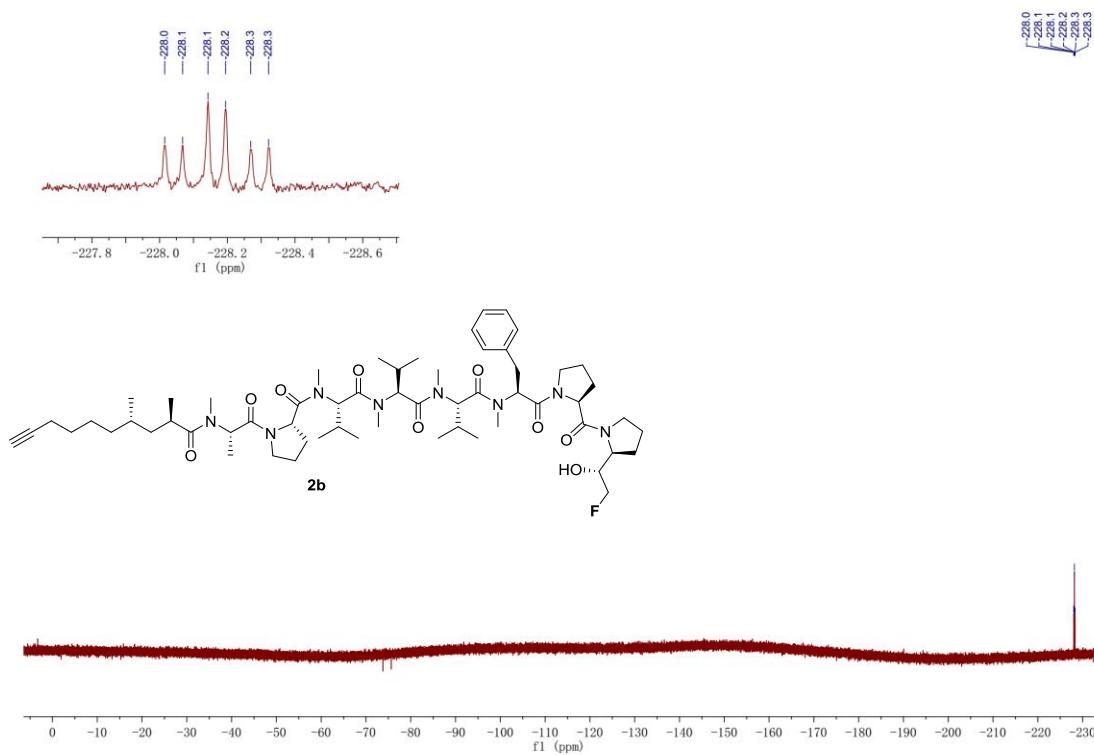


Figure S12. ^{19}F NMR (400 MHz, CD_3OD) spectrum of compound **2b**.

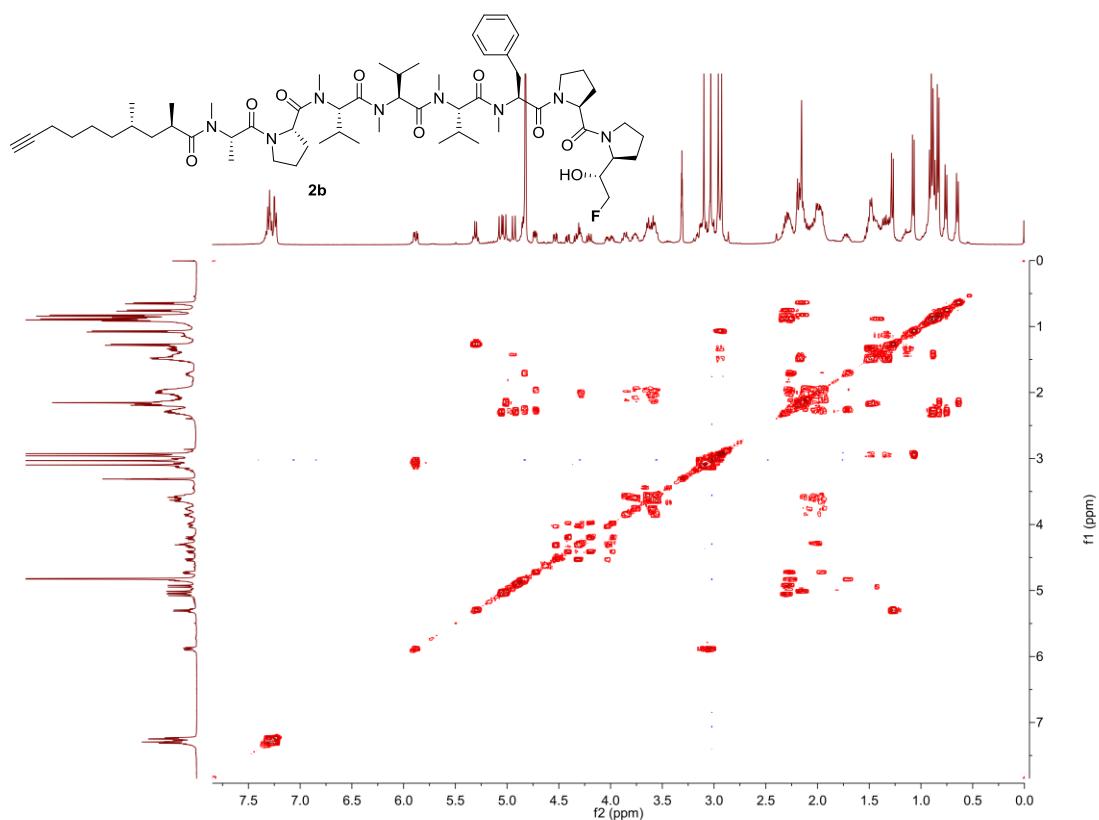


Figure S13. COSY (¹H, 400 MHz, CD₃OD spectrum of compound **2b**.

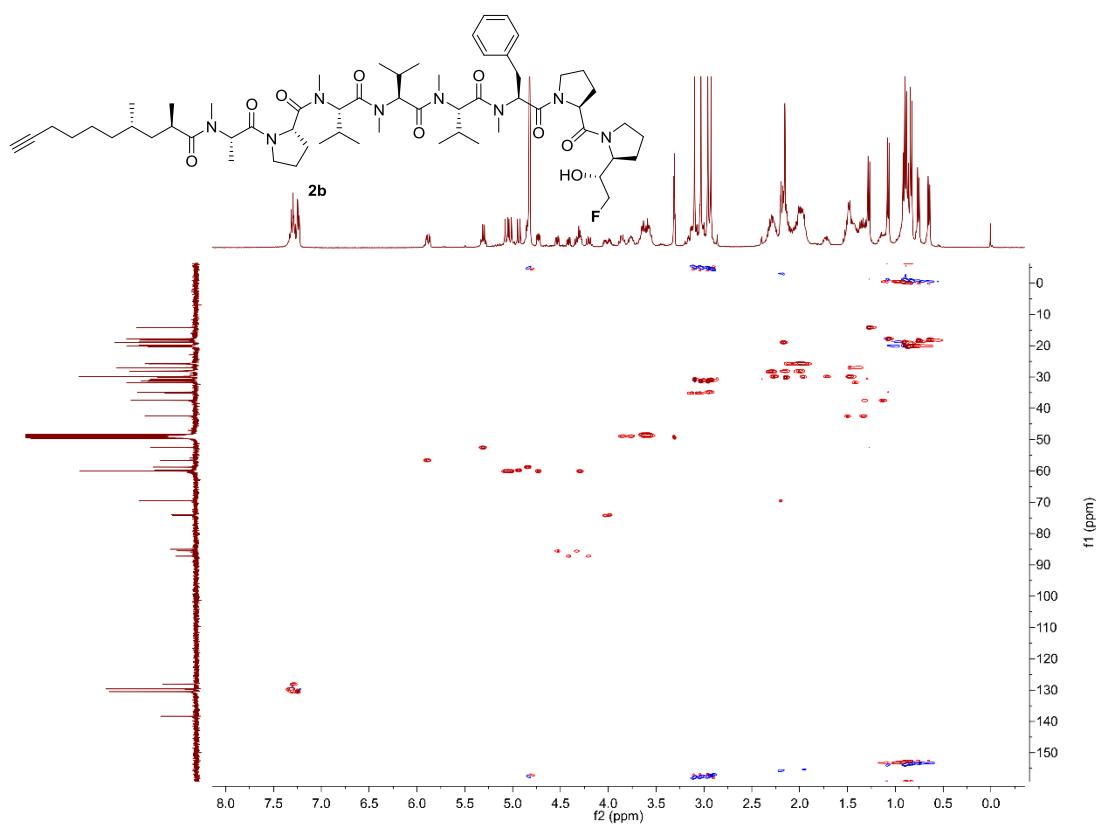


Figure S14. HSQC (¹H, 400 MHz, ¹³C, 100 MHz, CD₃OD) spectrum of compound **2b**.

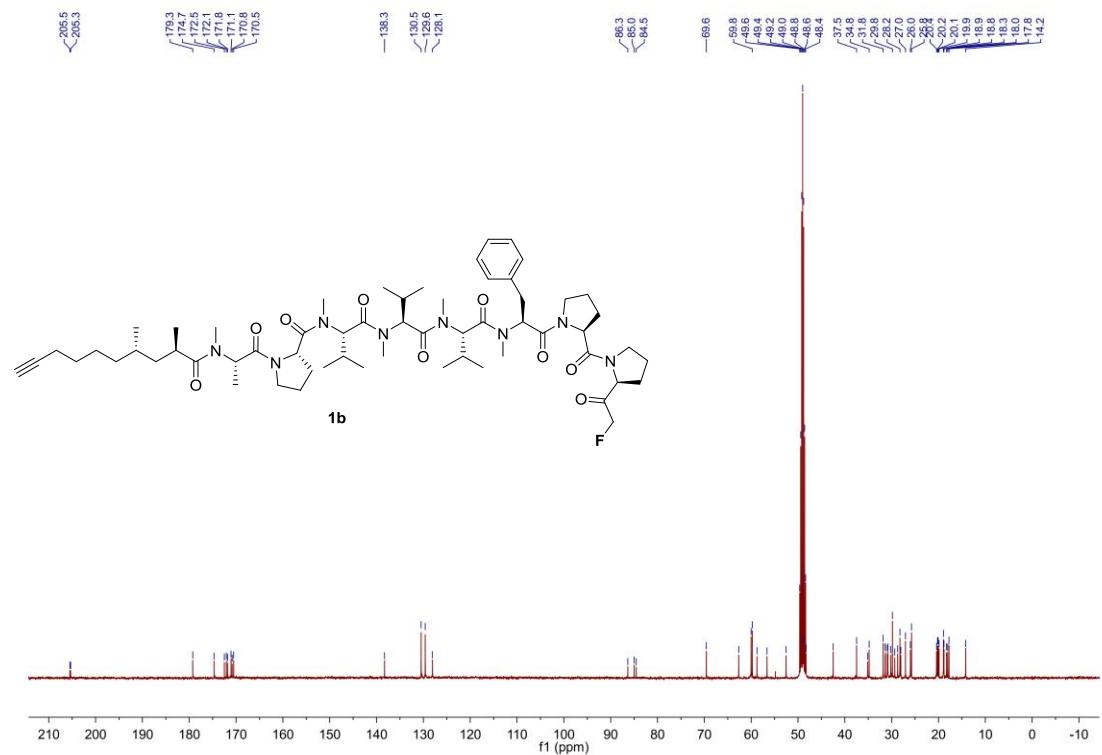
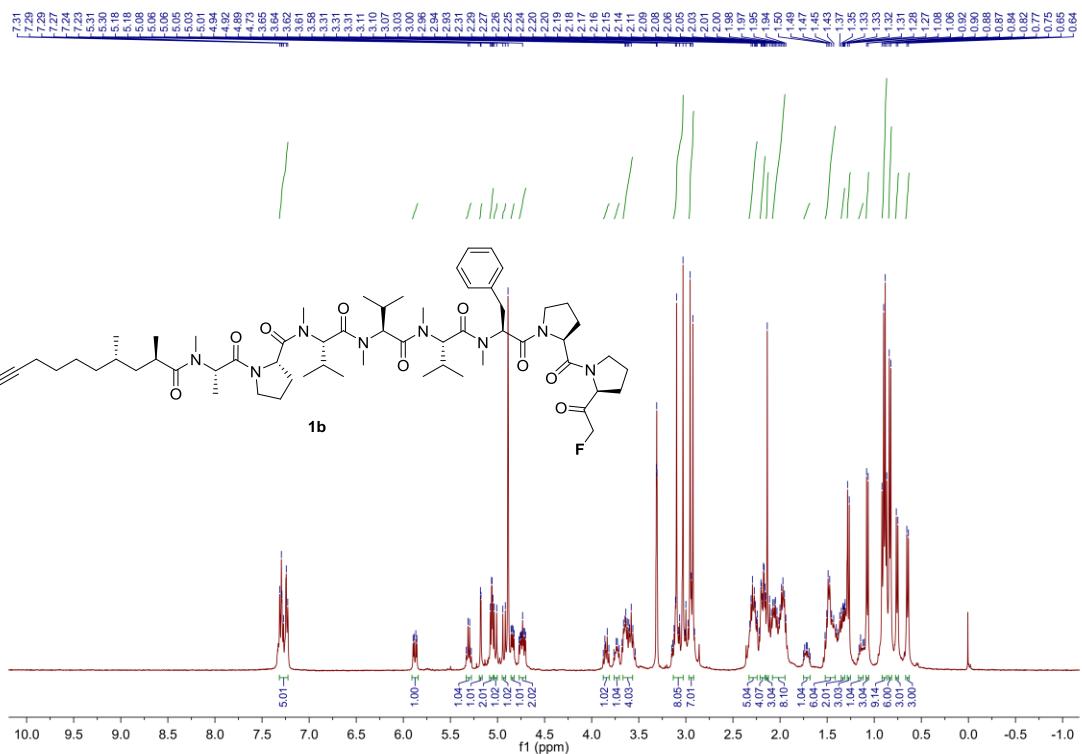


Figure S16. ^{13}C NMR (100 MHz, CD_3OD) spectrum of compound **1b**.

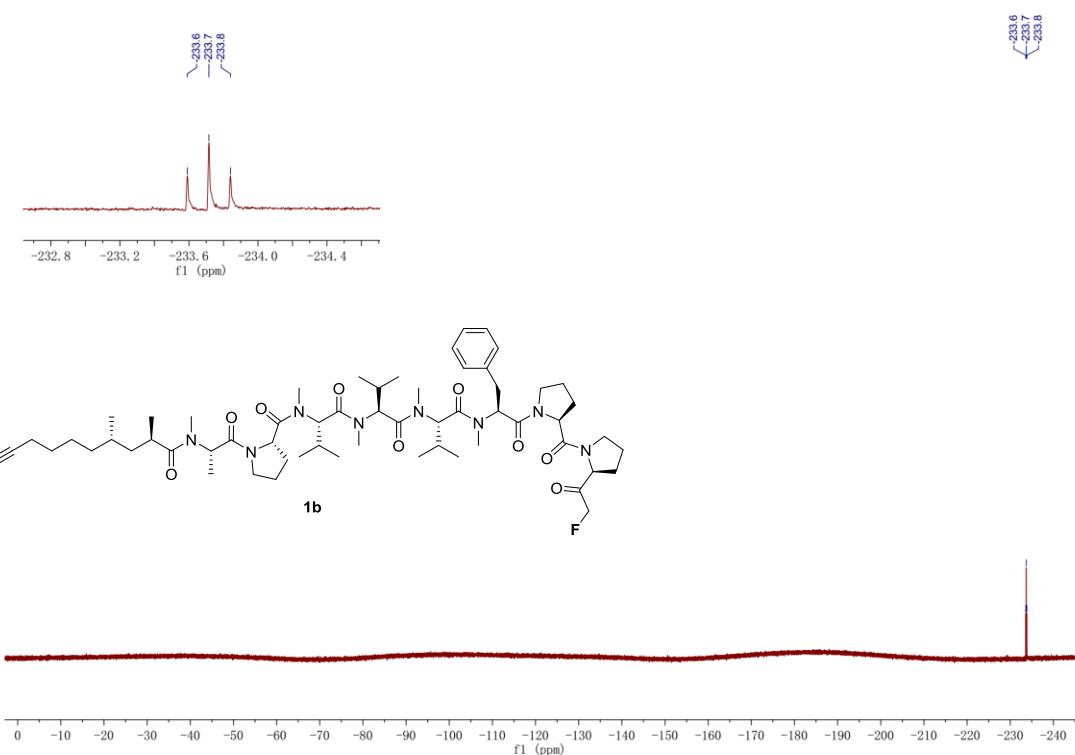


Figure S17. ^{19}F NMR (400 MHz, CD_3OD) spectrum of compound **1b**.

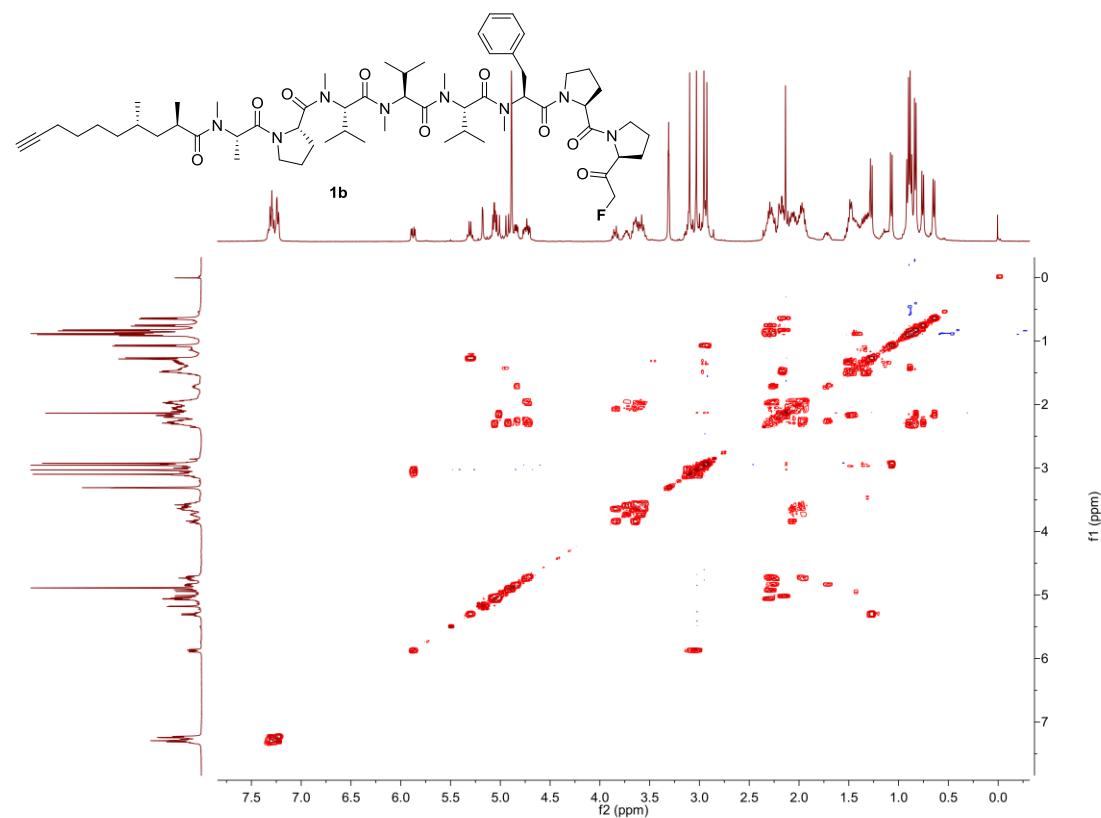


Figure S18. COSY (^1H , 400 MHz, CD_3OD) spectrum of compound **1b**.

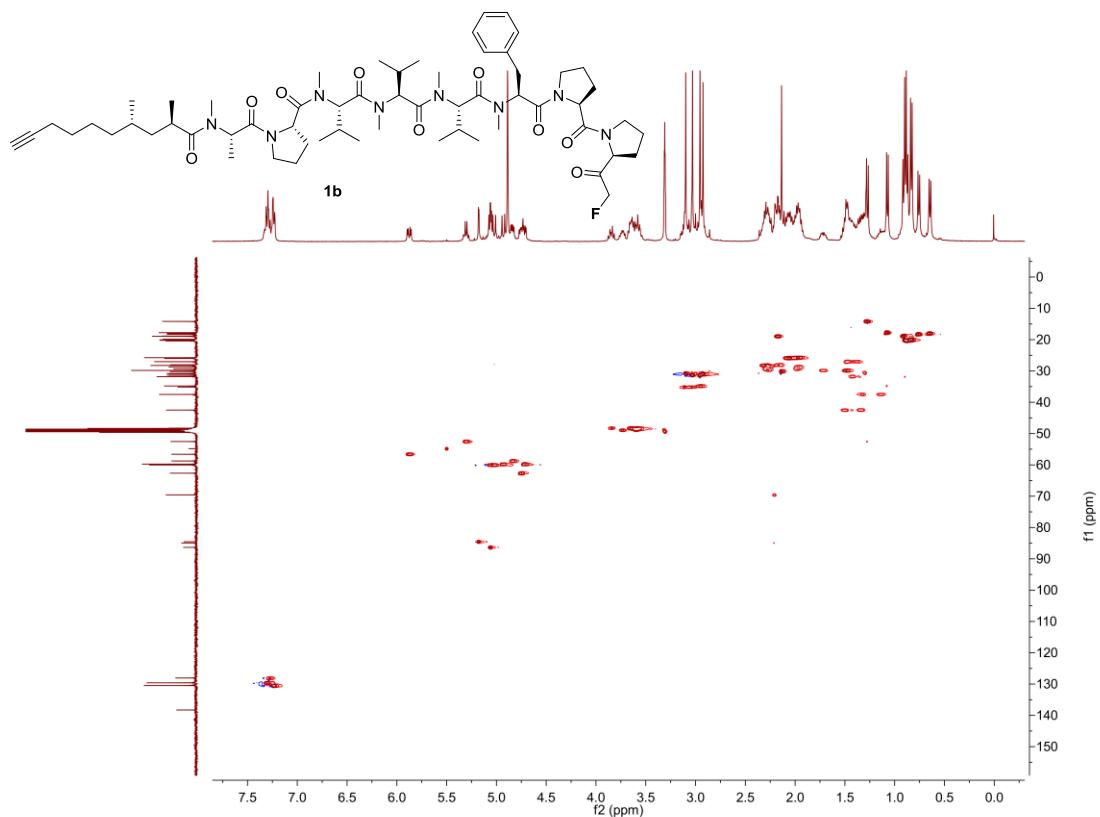


Figure S19. HSQC (¹H, 400 MHz, ¹³C, 100 MHz, CD₃OD) spectrum of compound **1b**.