Supplementary Materials: Synthetic Strategy and Anti-Tumor Activities of Macrocyclic Scaffolds Based on 4-Hydroxyproline

Guorui Cao, Kun Yang, Yue Li, Longjiang Huang and Dawei Teng

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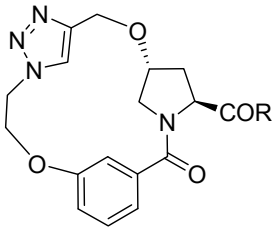
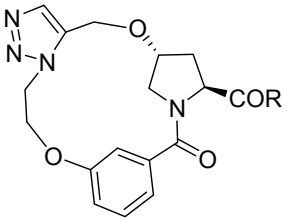
General



6a R = OCH_3
22 R = OH
23 R = NH_2
24 R = NHPh
25 R = $NHCH_2CH(CH_3)_2$



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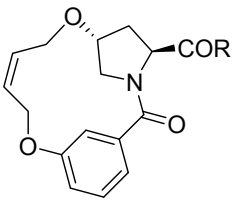
29 R = $NHCH_2CH(CH_3)_2$



9 R = OCH_3
30 R = OH
31 R = NH_2
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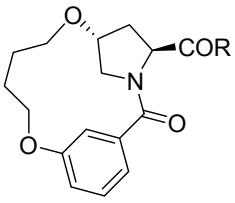
33 R = $NHCH_2CH(CH_3)_2$



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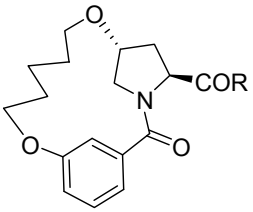
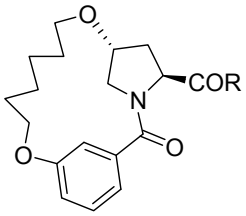
34 R = OH
35 R = NH_2
36 R = NHPh
37 R = $NHCH_2CH(CH_3)_2$



10b R = OCH_3
38 R = OH
39 R = NH_2
40 R = NHPh
41 R = $NHCH_2CH(CH_3)_2$



10c R = OCH_3
42 R = OH
43 R = NH_2
44 R = NHPh
45 R = $NHCH_2CH(CH_3)_2$

Figure S1. Target macrocycles.

Spectra of Macrocycle 6a–b

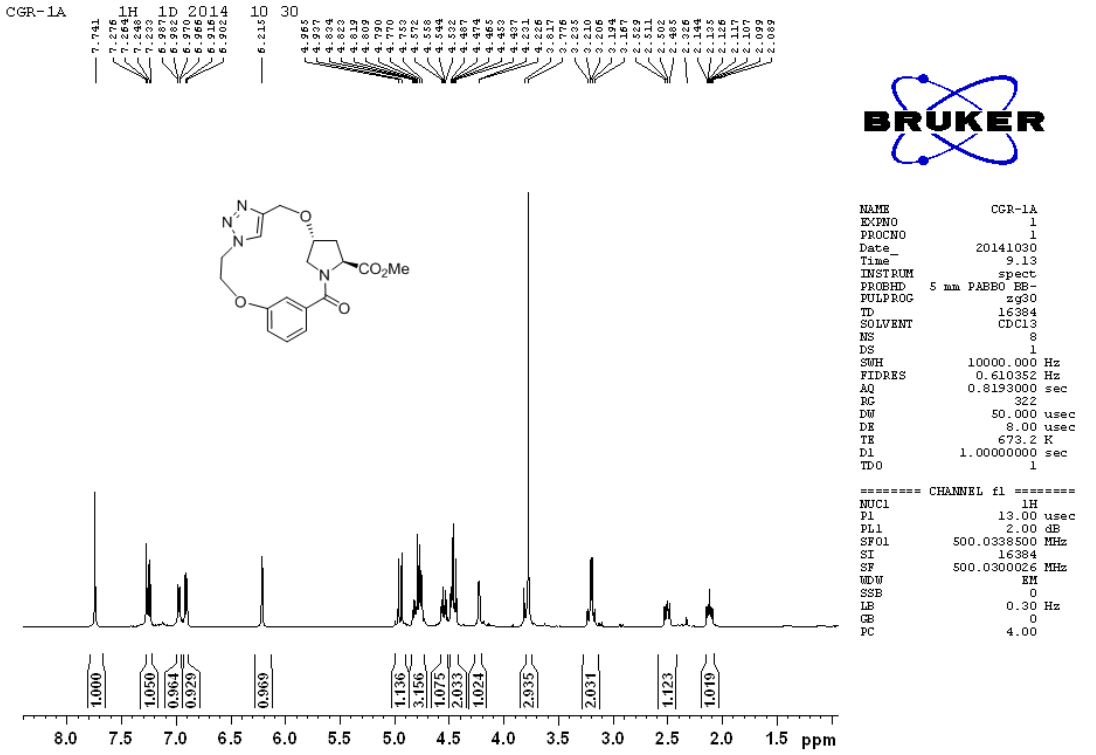


Figure S2. [1]H-NMR Spectrum of **6a**.

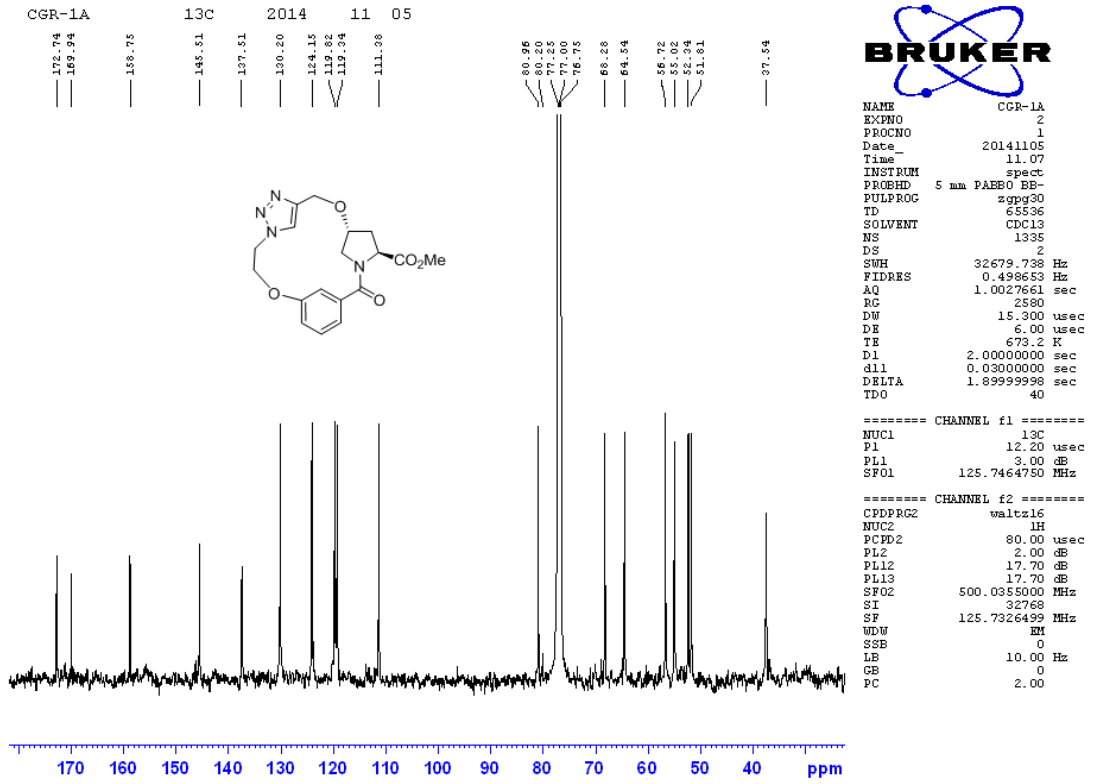


Figure S3. [13]C-NMR Spectrum of **6a**.

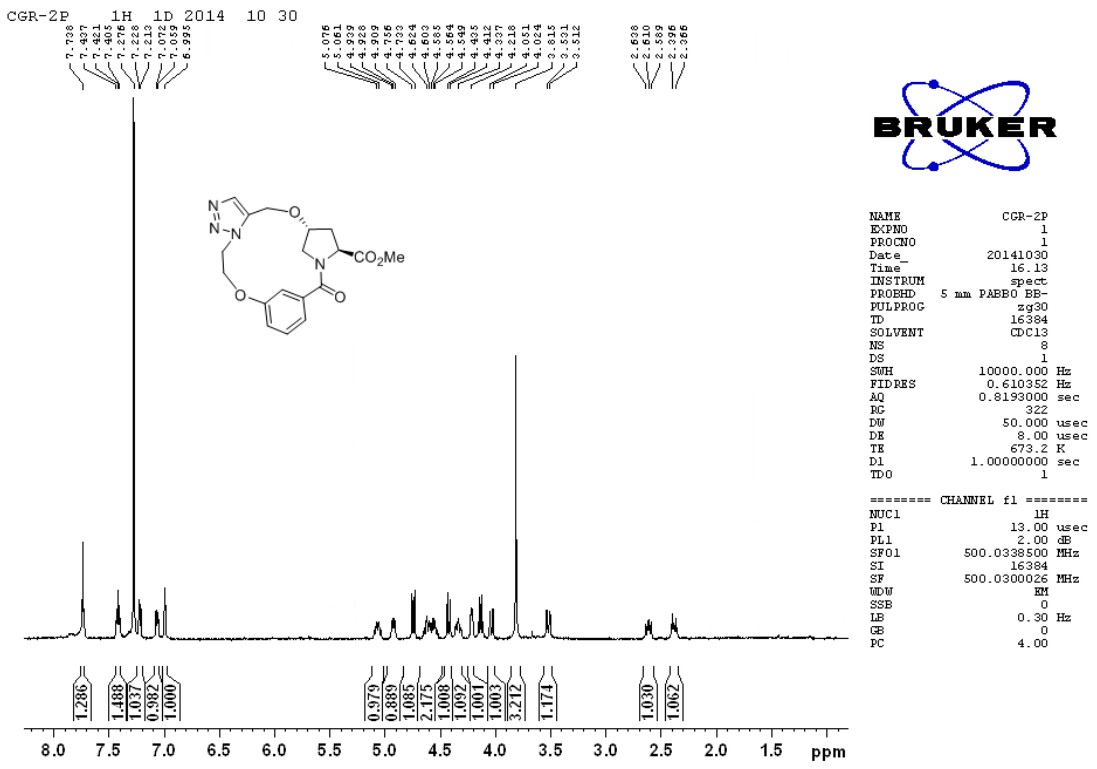


Figure S4. ^{1}H-NMR Spectrum of **6b**.

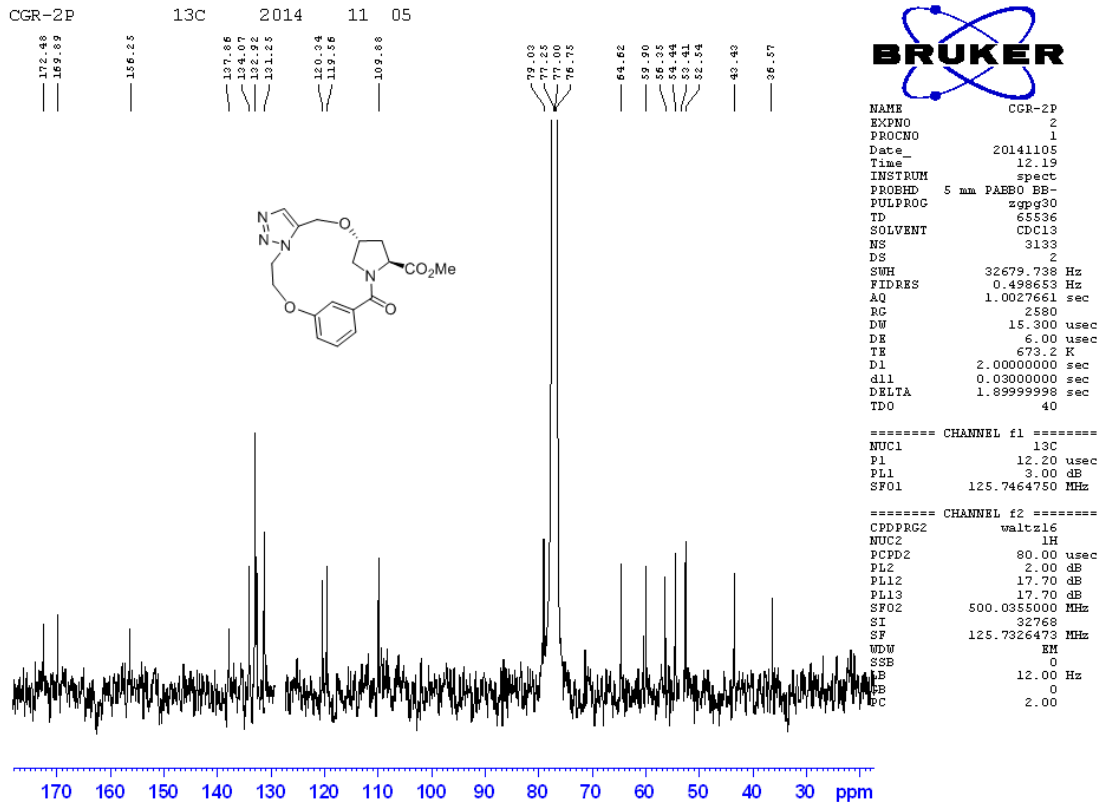


Figure S5. ^{13}C-NMR Spectrum of **6b**.

Spectra of macrocycle 9

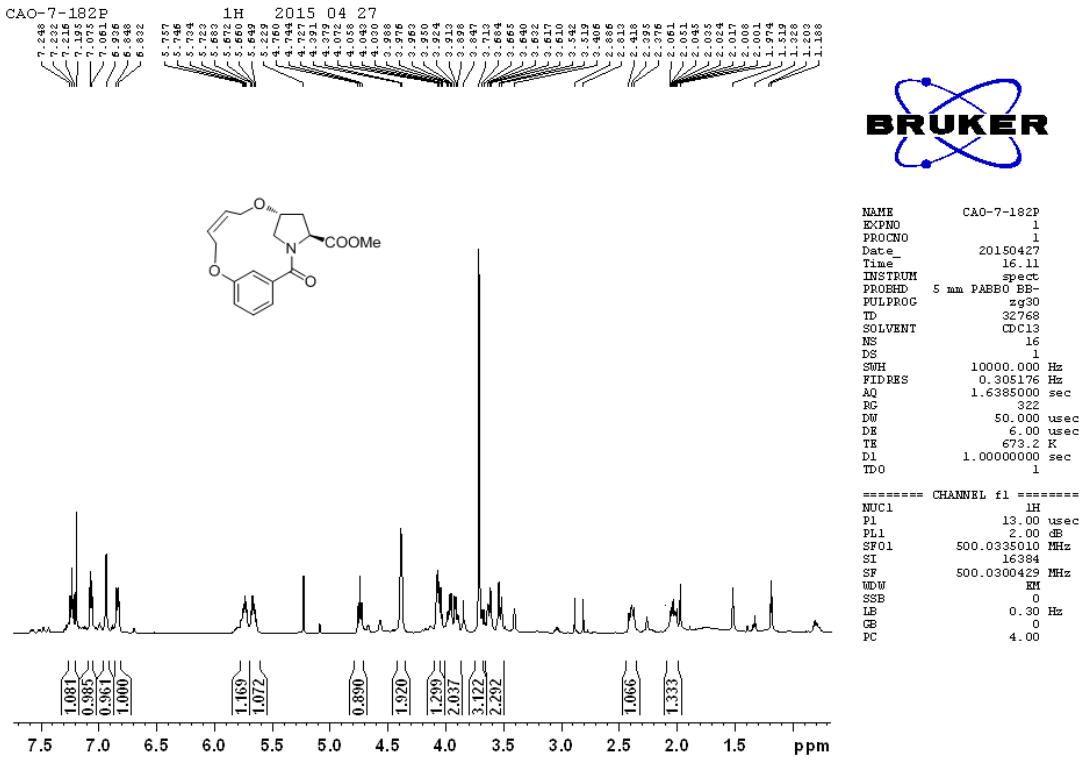


Figure S6. ^{1}H-NMR Spectrum of **9**.

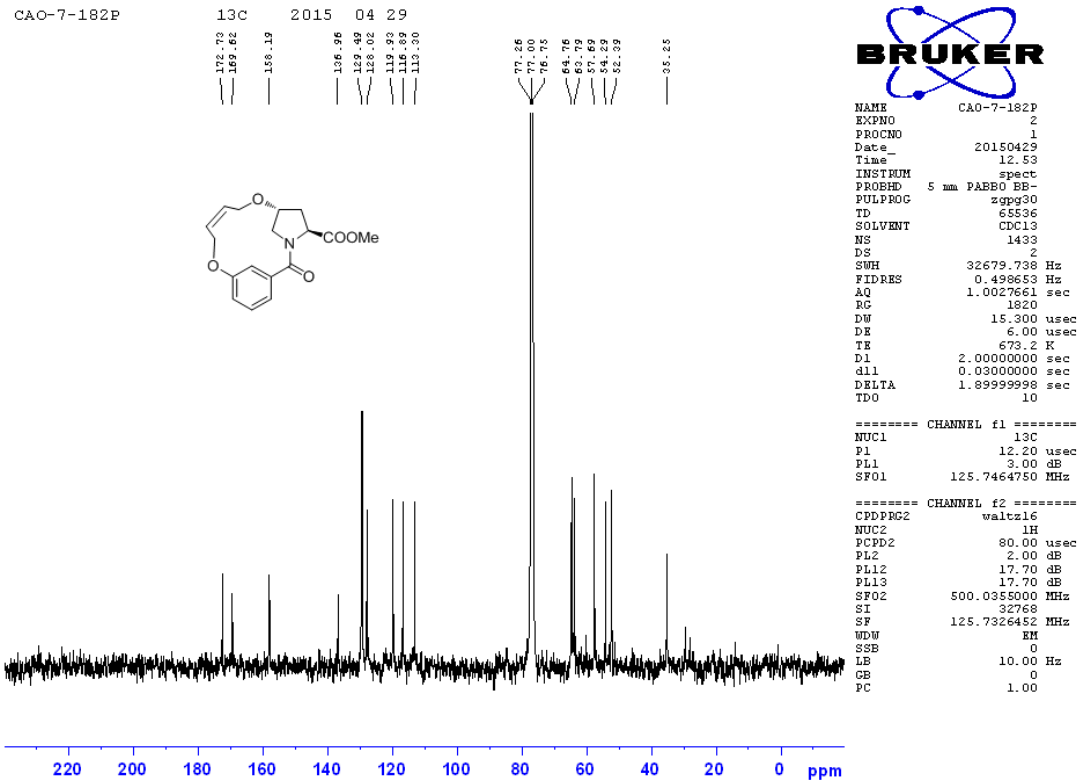


Figure S7. ^{13}C-NMR Spectrum of **9**.

Spectra of macrocycle 10a–c

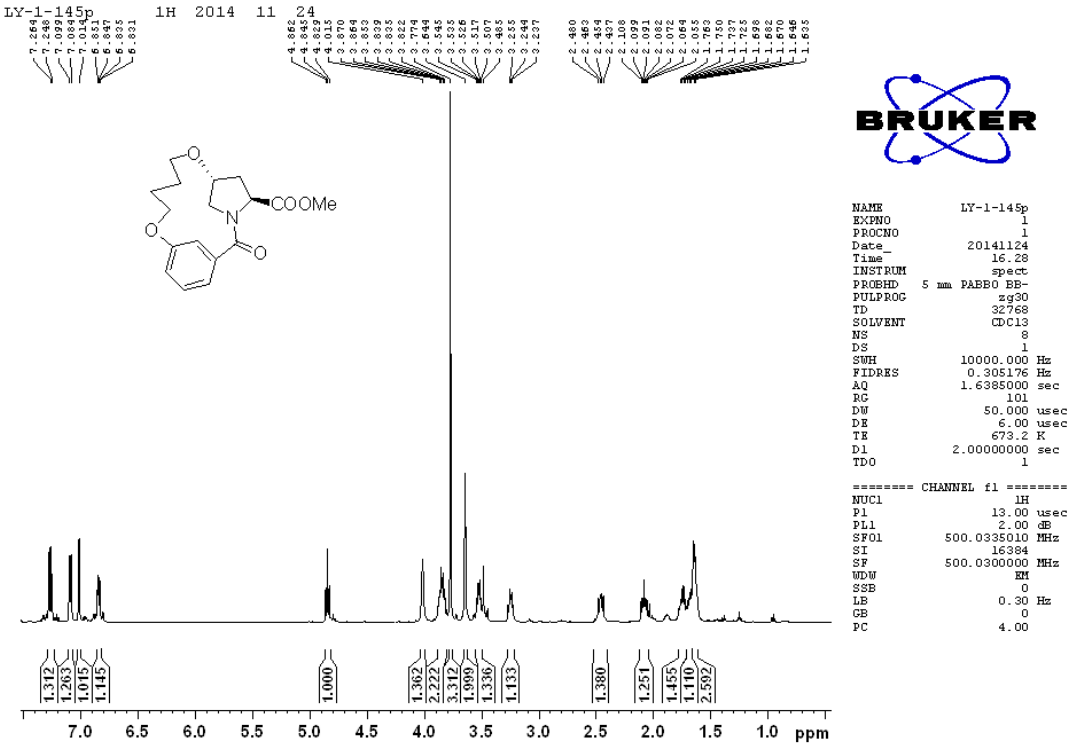


Figure S8. ^{1}H-NMR Spectrum of **10a**.

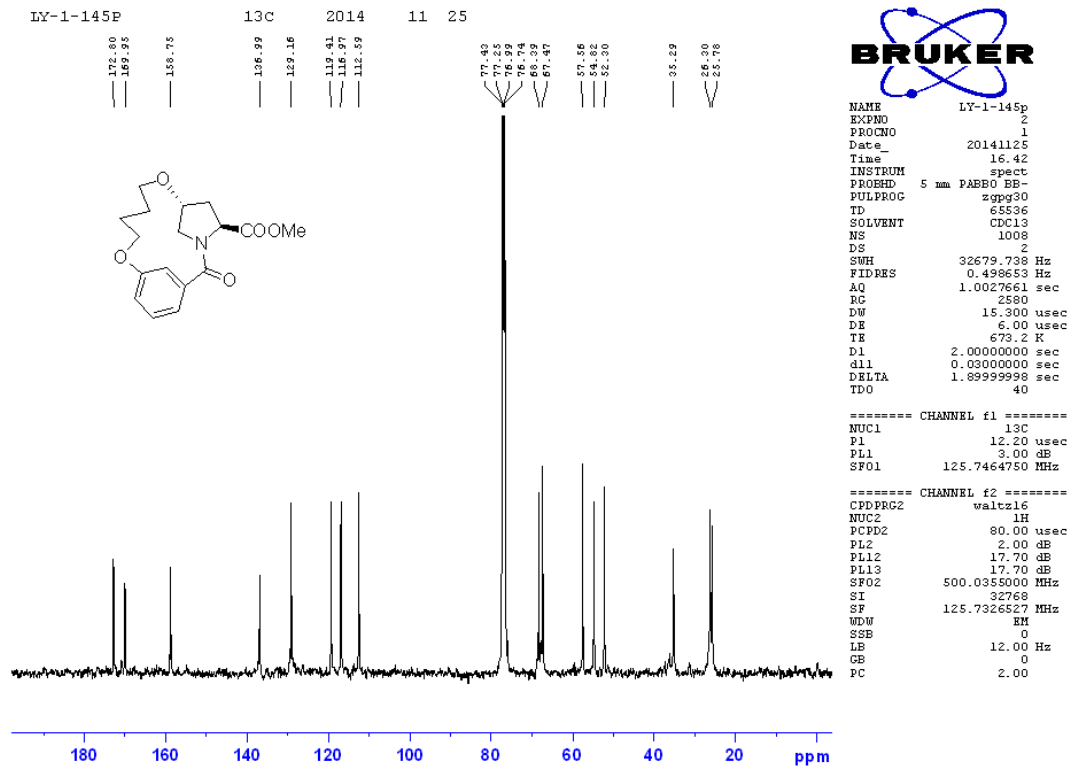


Figure S9. ^{13}C-NMR Spectrum of **10a**.

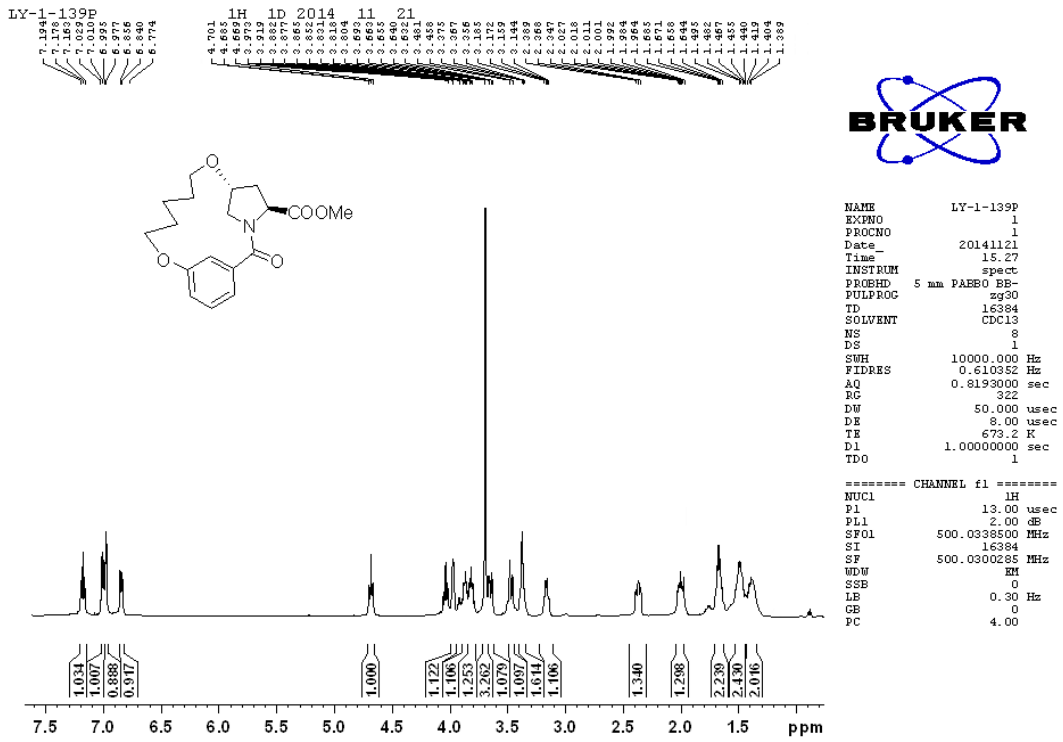


Figure S10. ^{1}H-NMR Spectrum of **10b**.

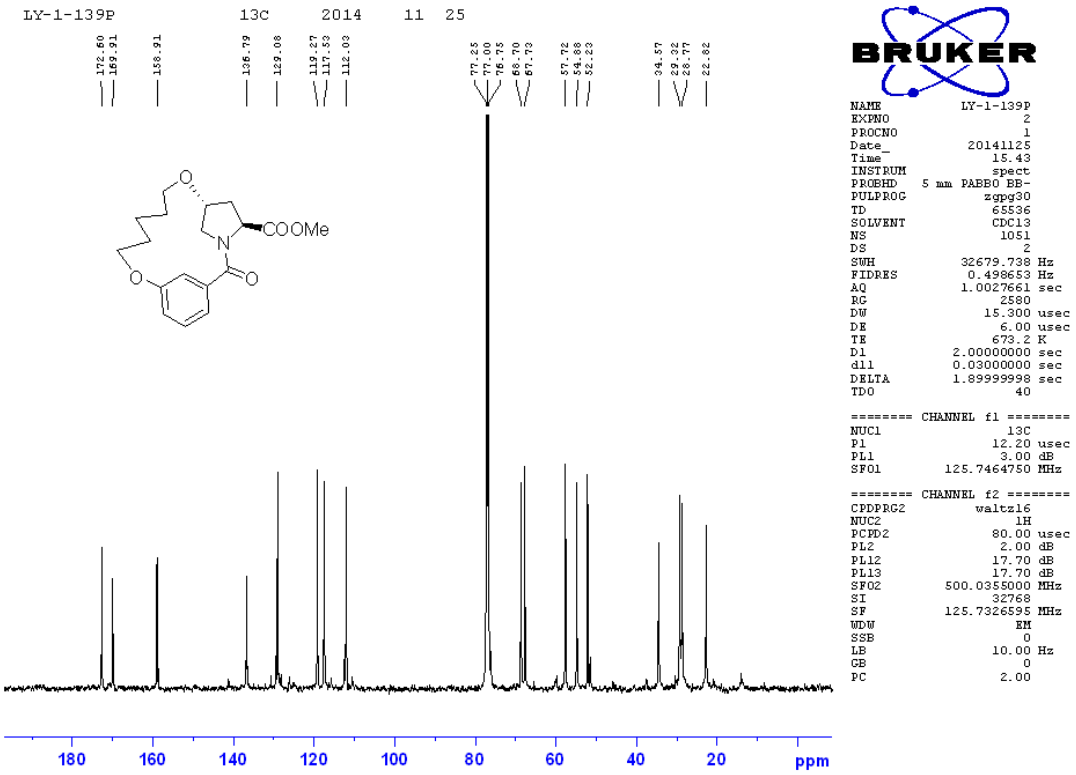


Figure S11. ^{13}C-NMR Spectrum of **10b**.

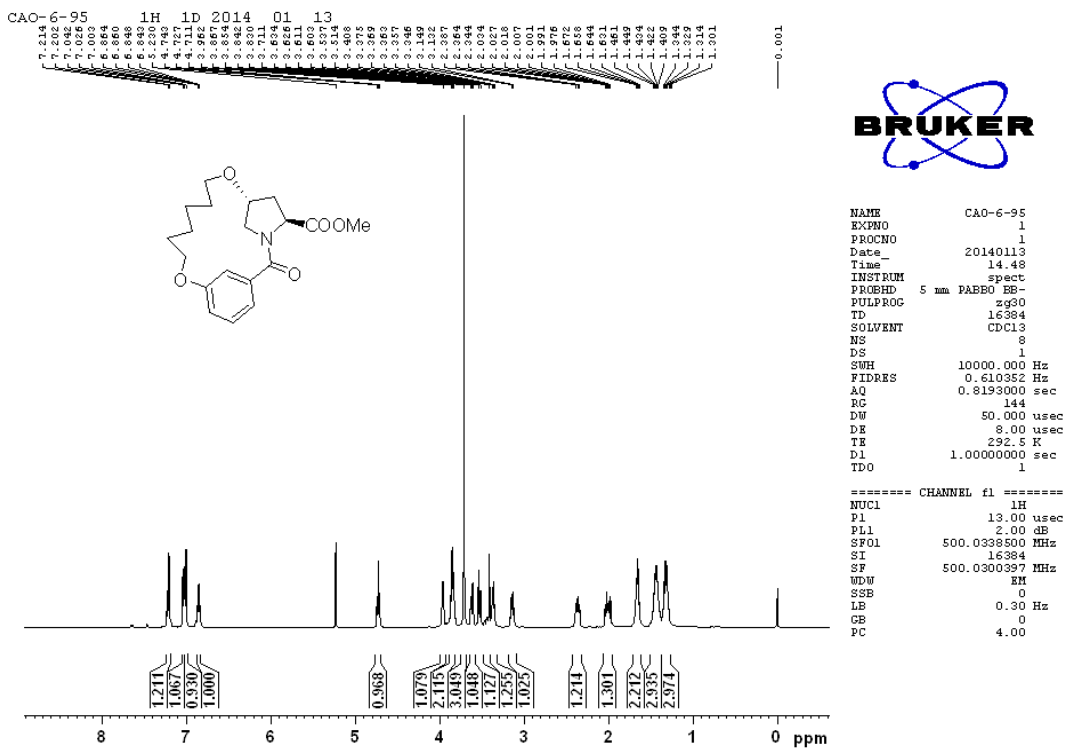


Figure S12. ^{1}H-NMR Spectrum of **10c**.

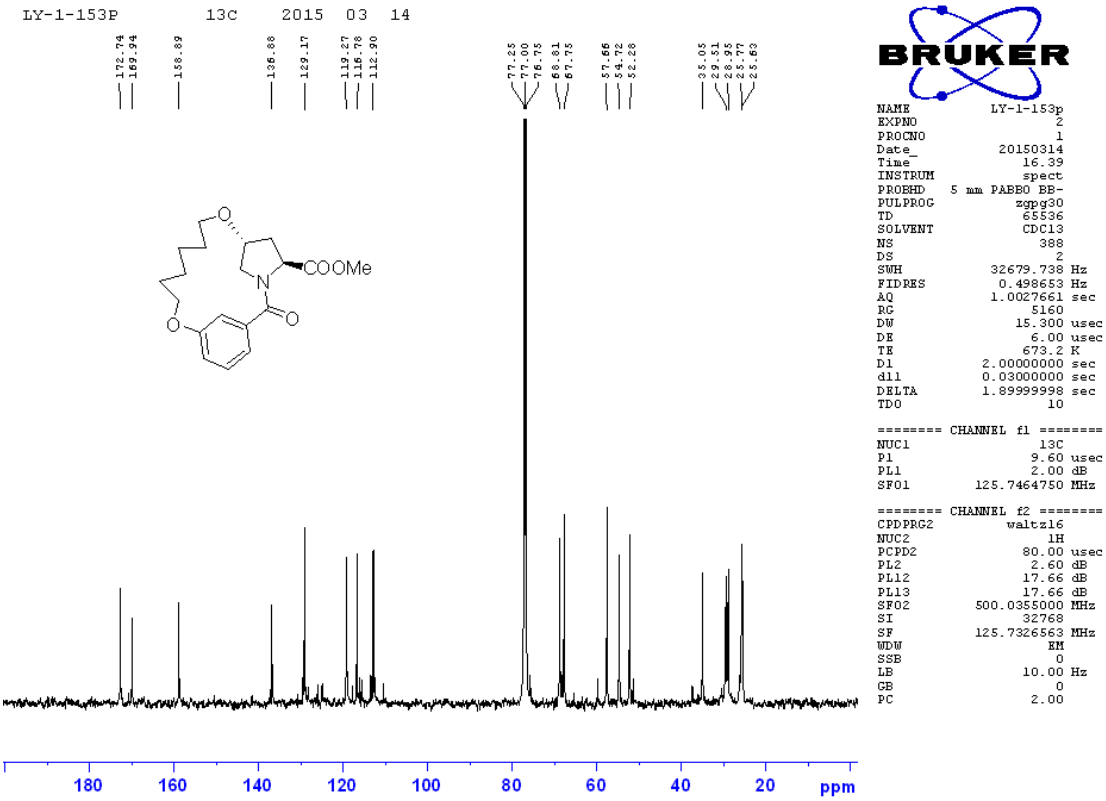


Figure S13. ^{13}C-NMR Spectrum of **10c**.

Spectra of macrocycle 22–45

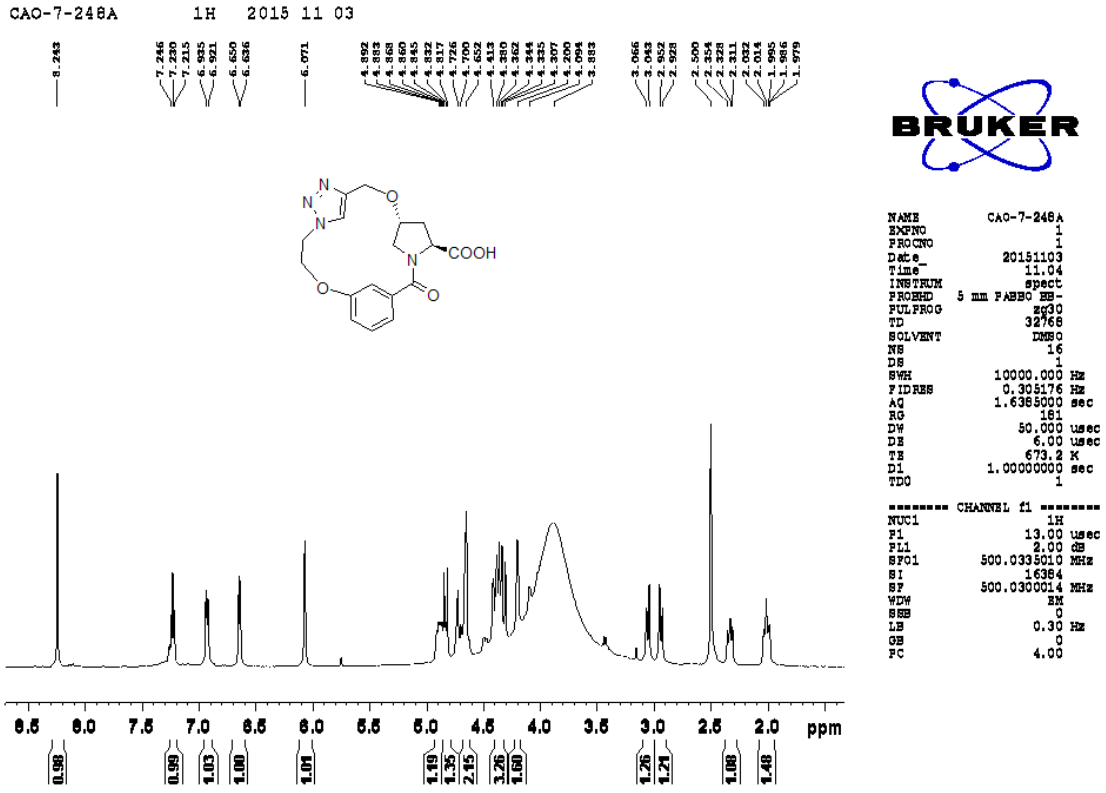


Figure S14. ^{1}H-NMR Spectrum of **22**.

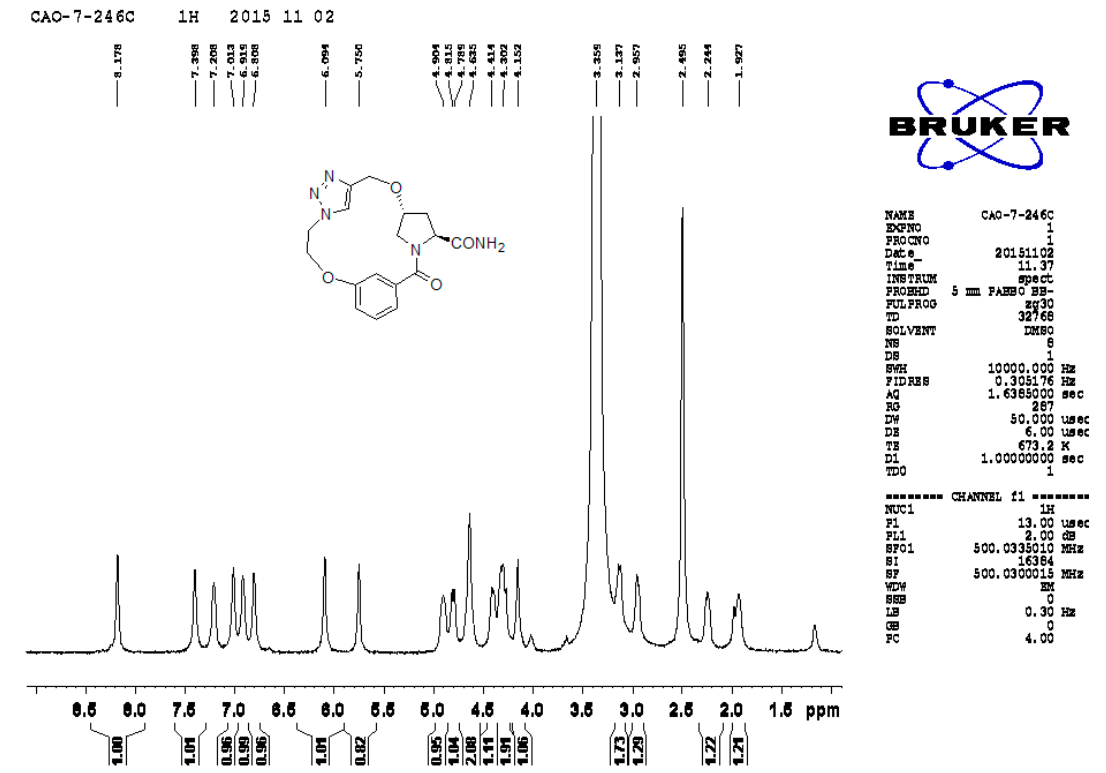


Figure S15. ^{1}H-NMR Spectrum of **23**.

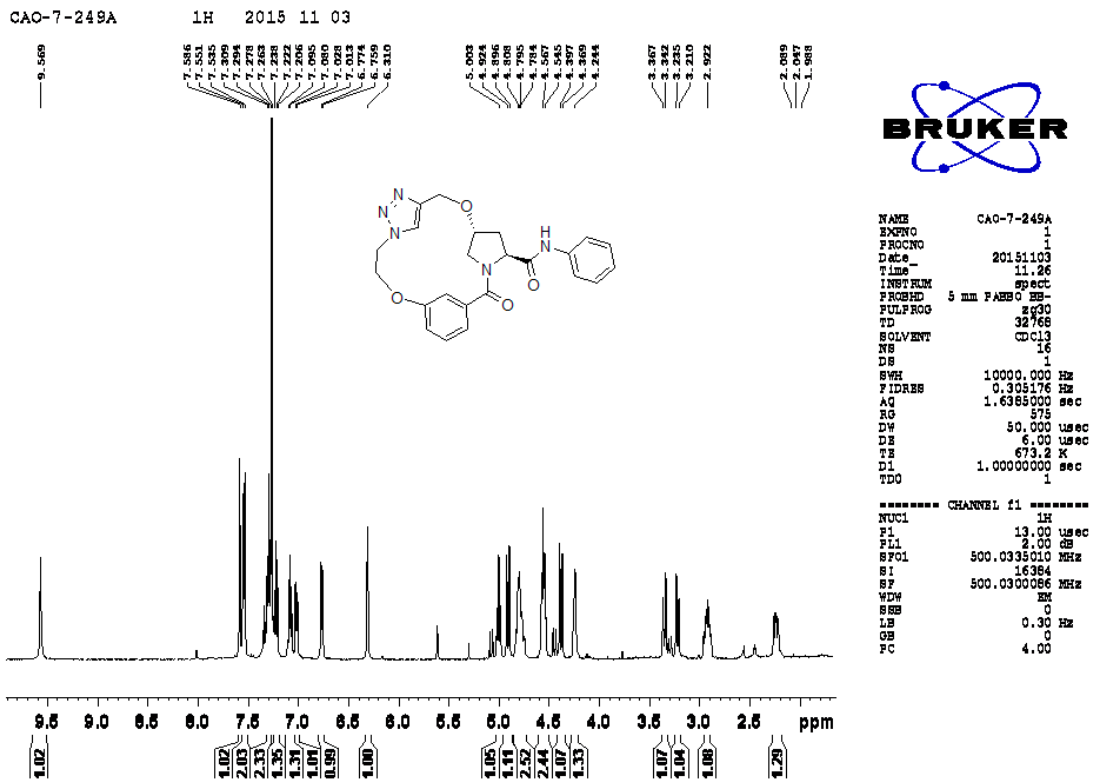


Figure S16. [1]H-NMR Spectrum of **24**.

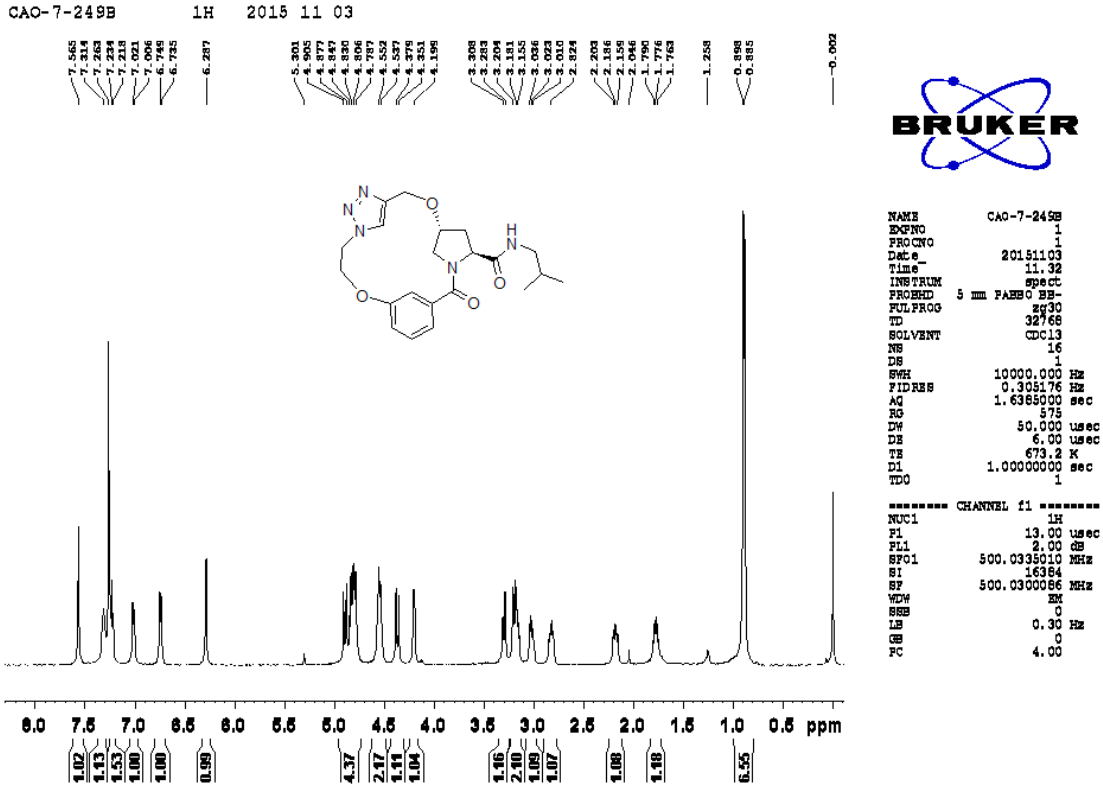


Figure S17. [1]H-NMR Spectrum of **25**.

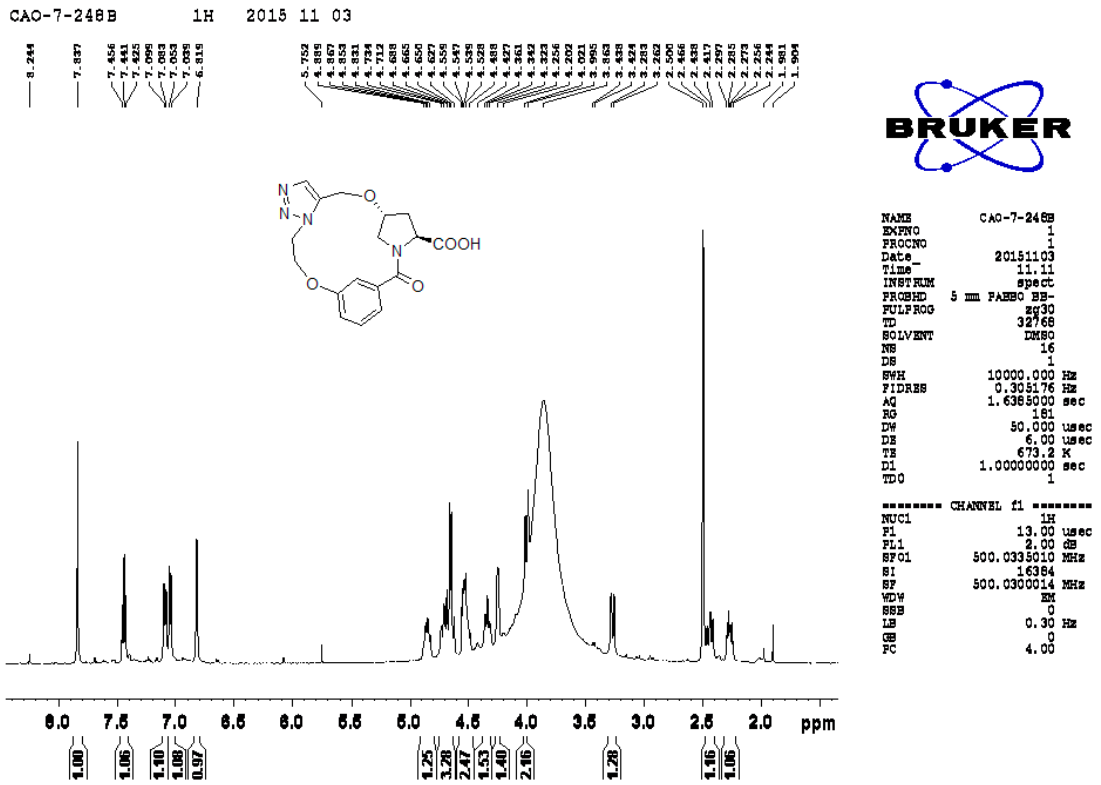


Figure S18. [1]H-NMR Spectrum of **26**.

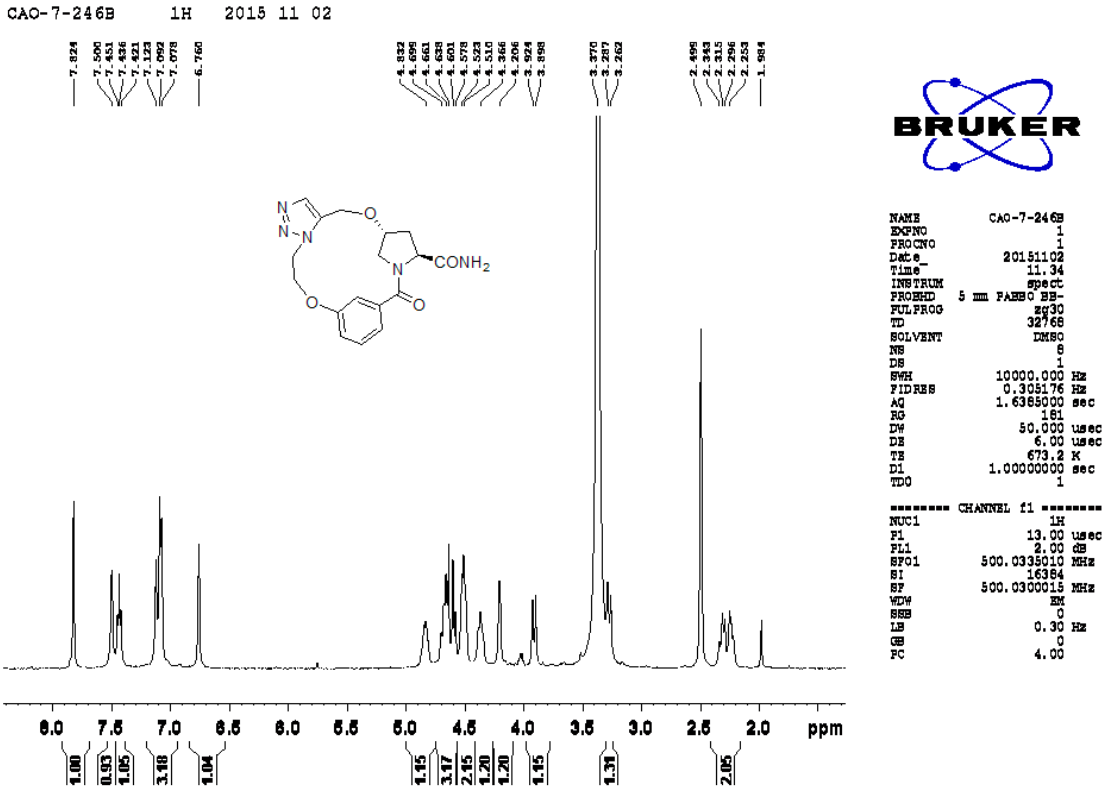


Figure S19. [1]H-NMR Spectrum of **27**.

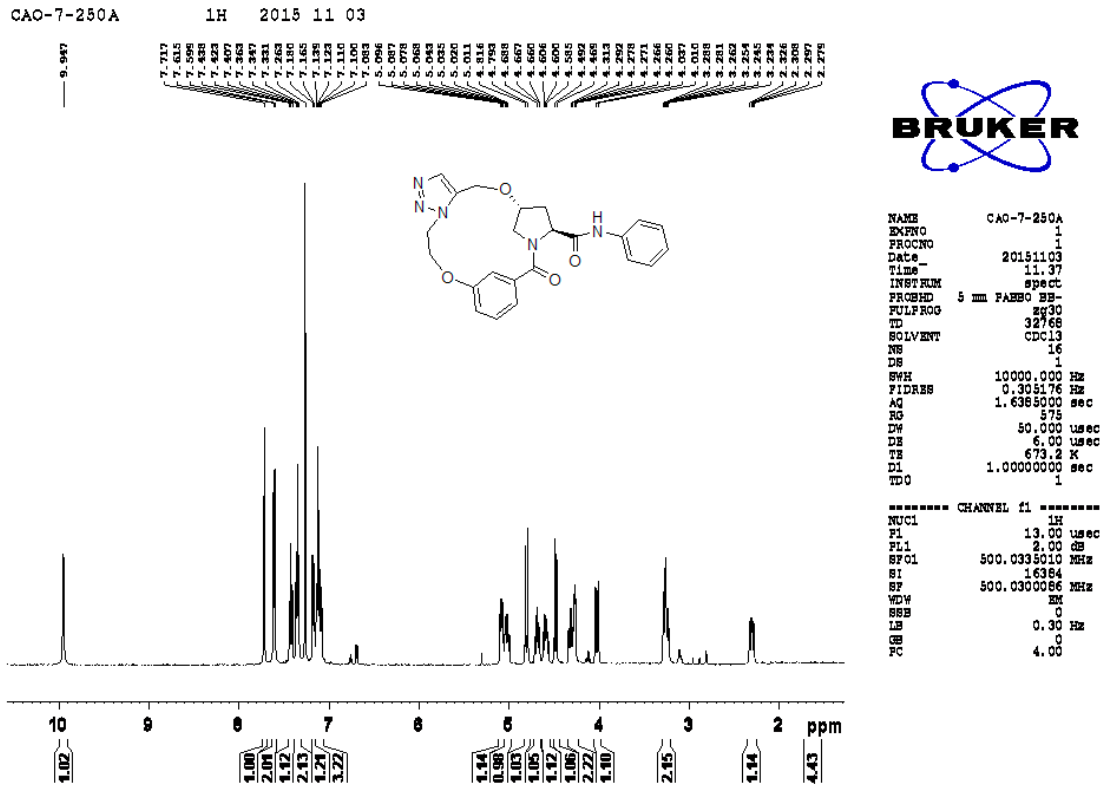


Figure S20. [1]H-NMR Spectrum of **28**.

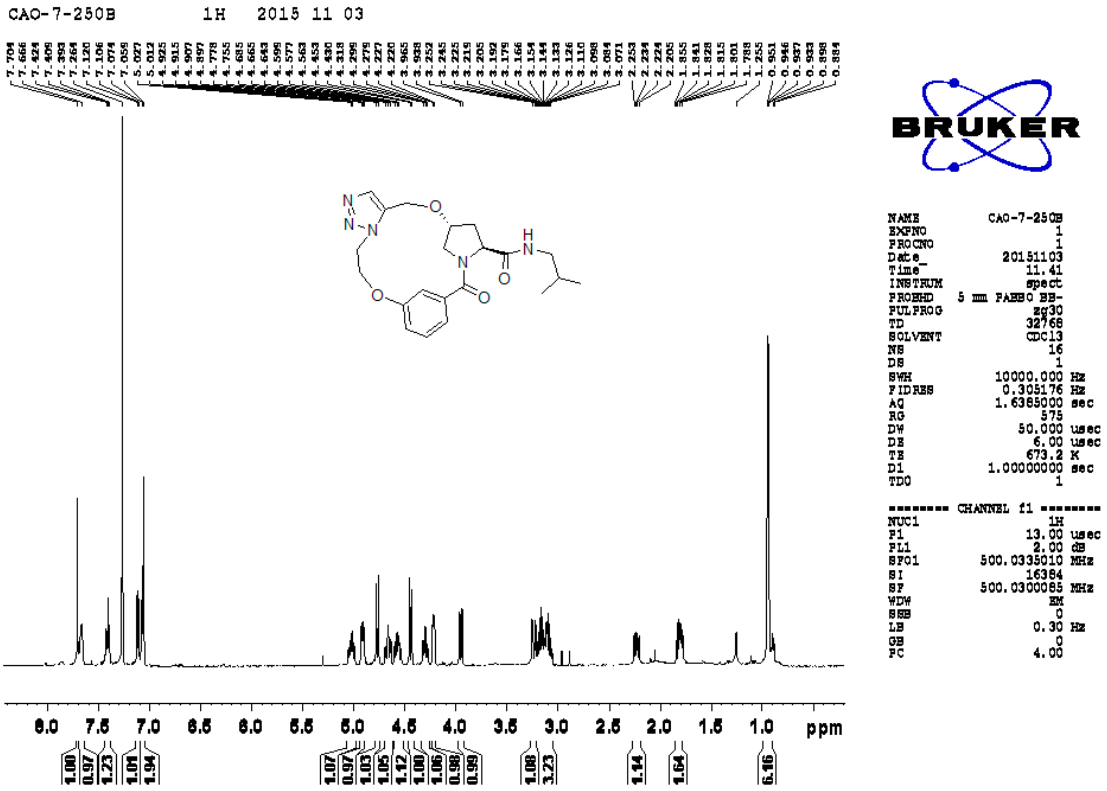


Figure S21. [1]H-NMR Spectrum of **29**.

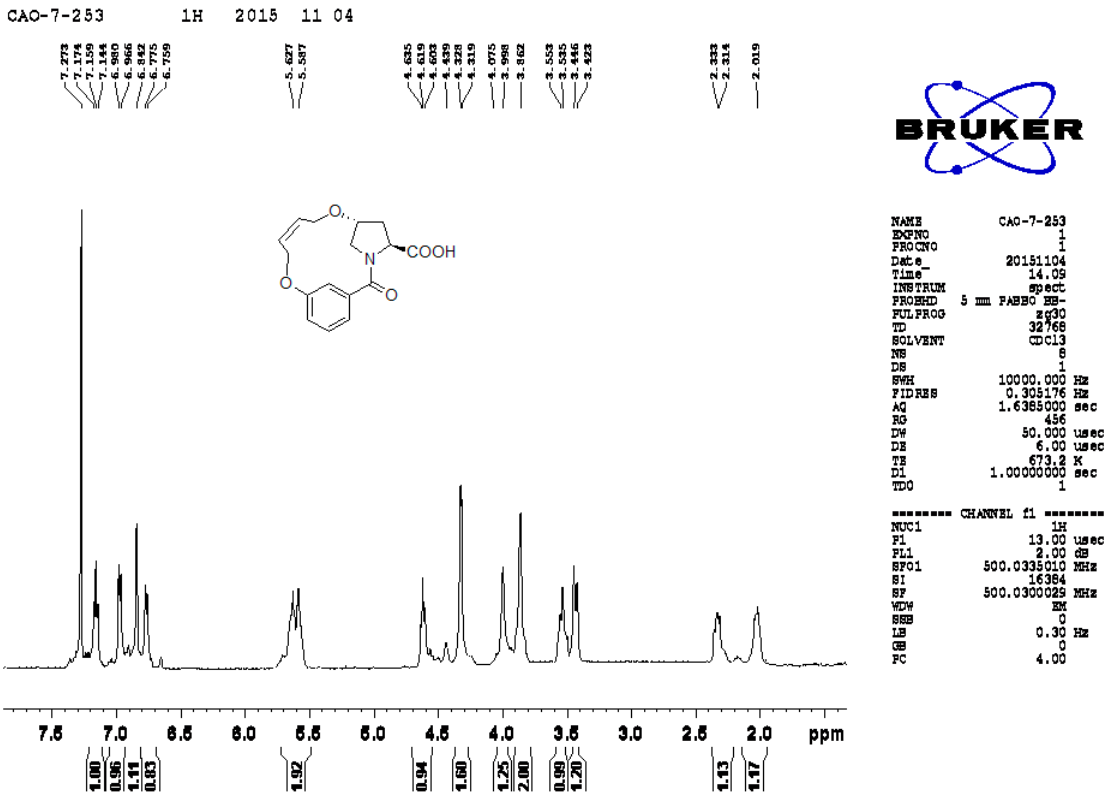


Figure S22. ^{1}H-NMR Spectrum of **30**.

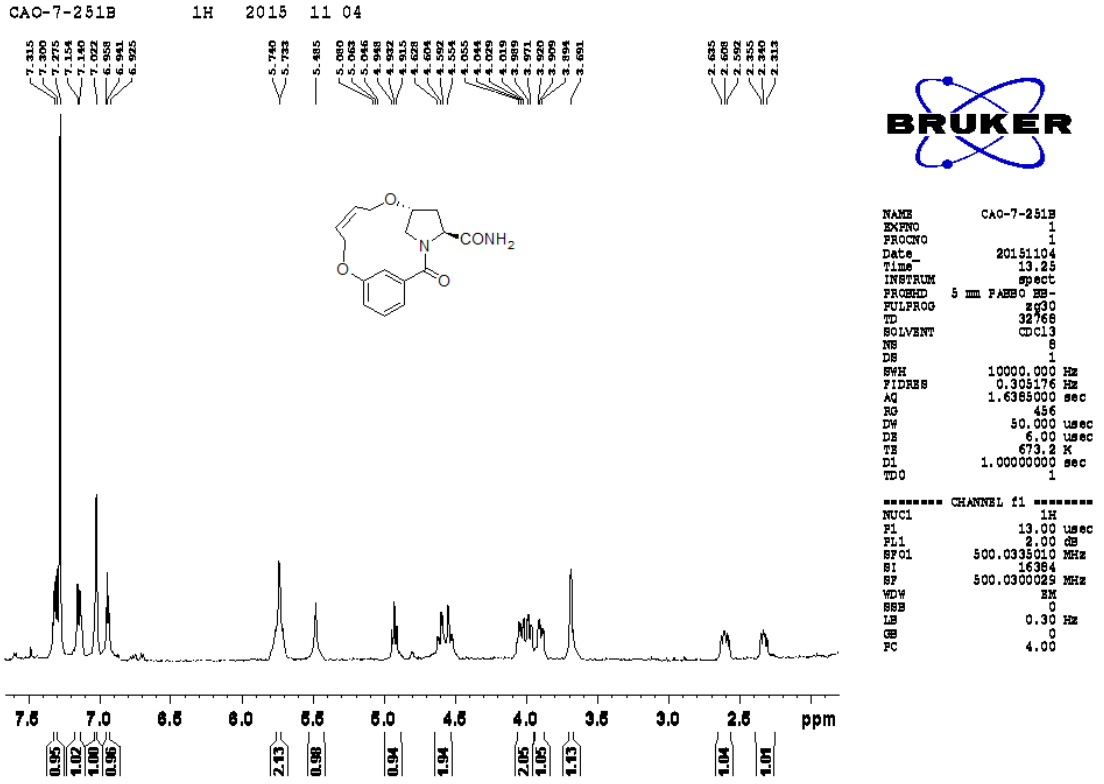


Figure S23. ^{1}H-NMR Spectrum of **31**.

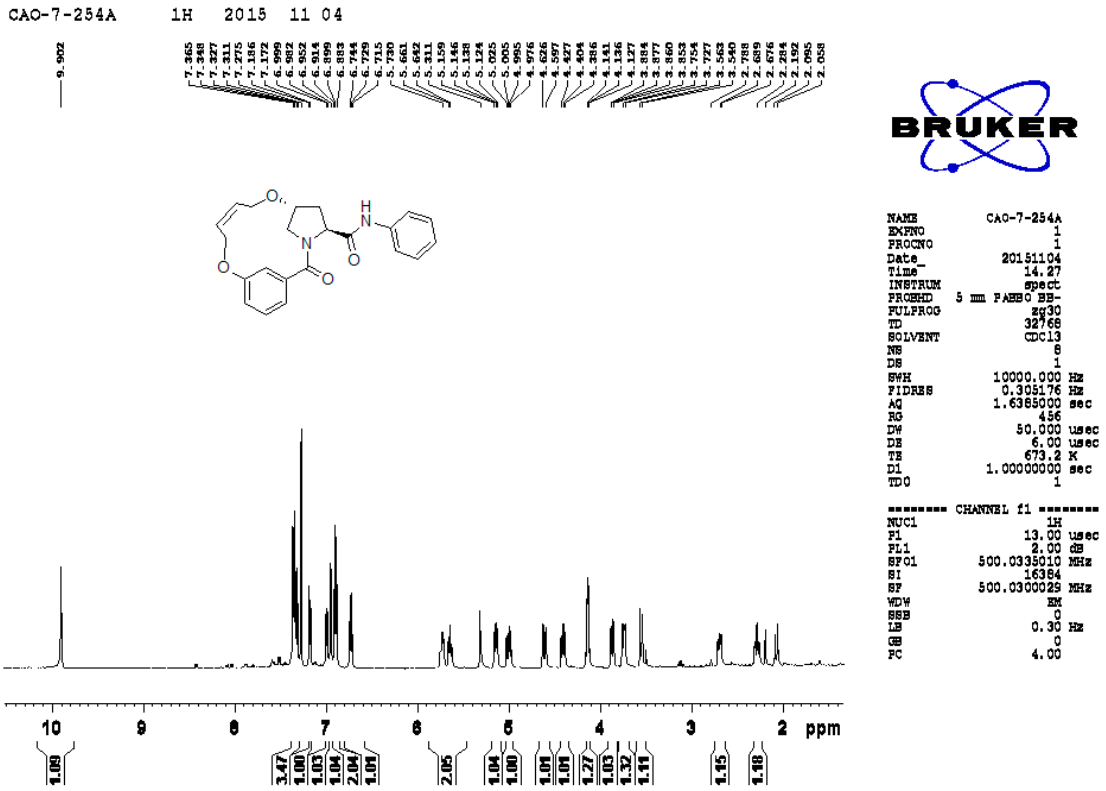


Figure S24. [1]H-NMR Spectrum of **32**.

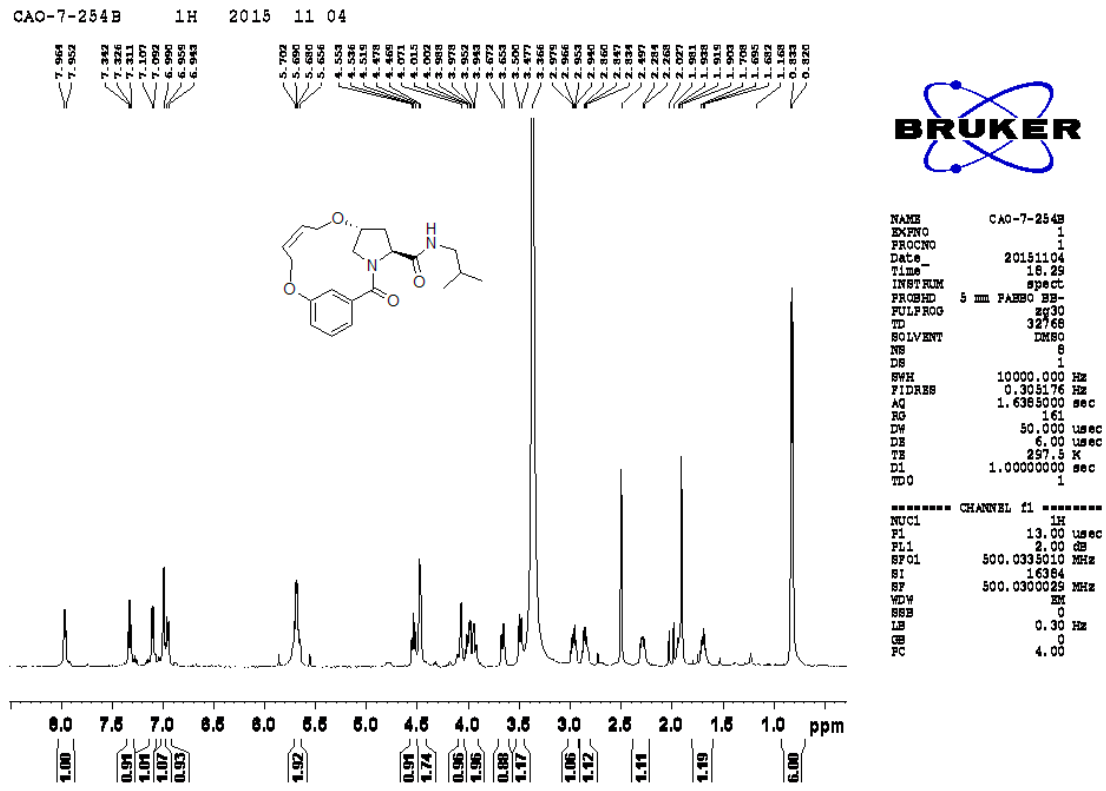


Figure S25. [1]H-NMR Spectrum of **33**.

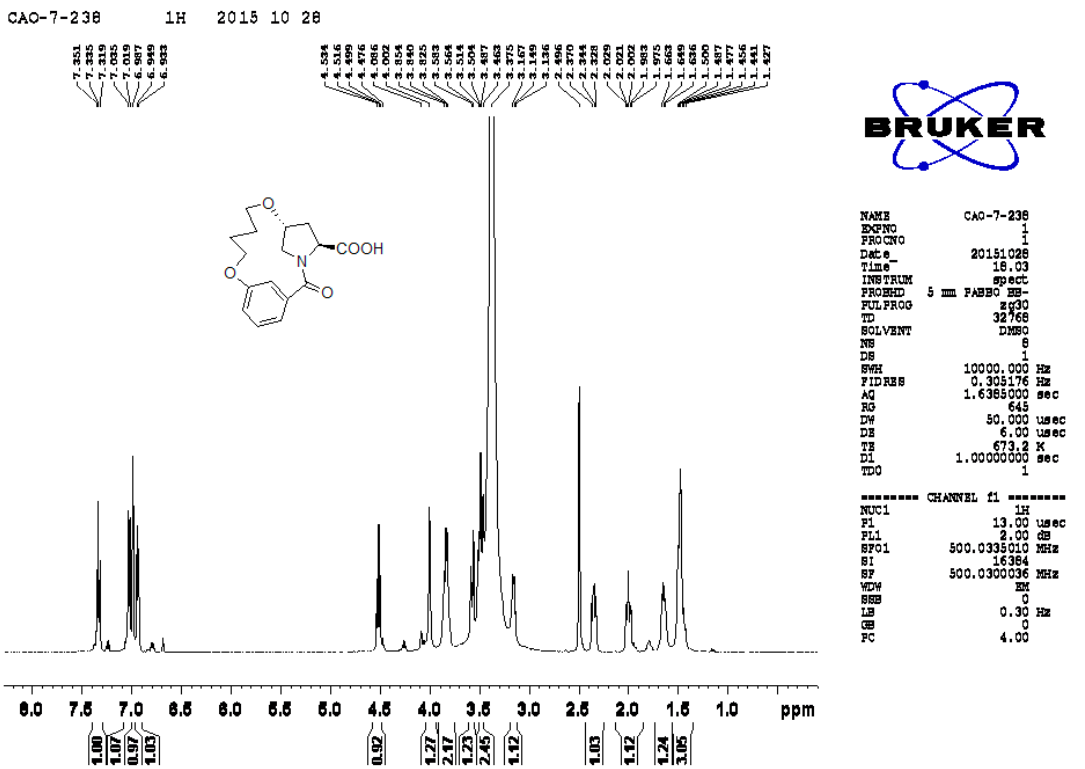


Figure S26. ^{1}H-NMR Spectrum of **34**.

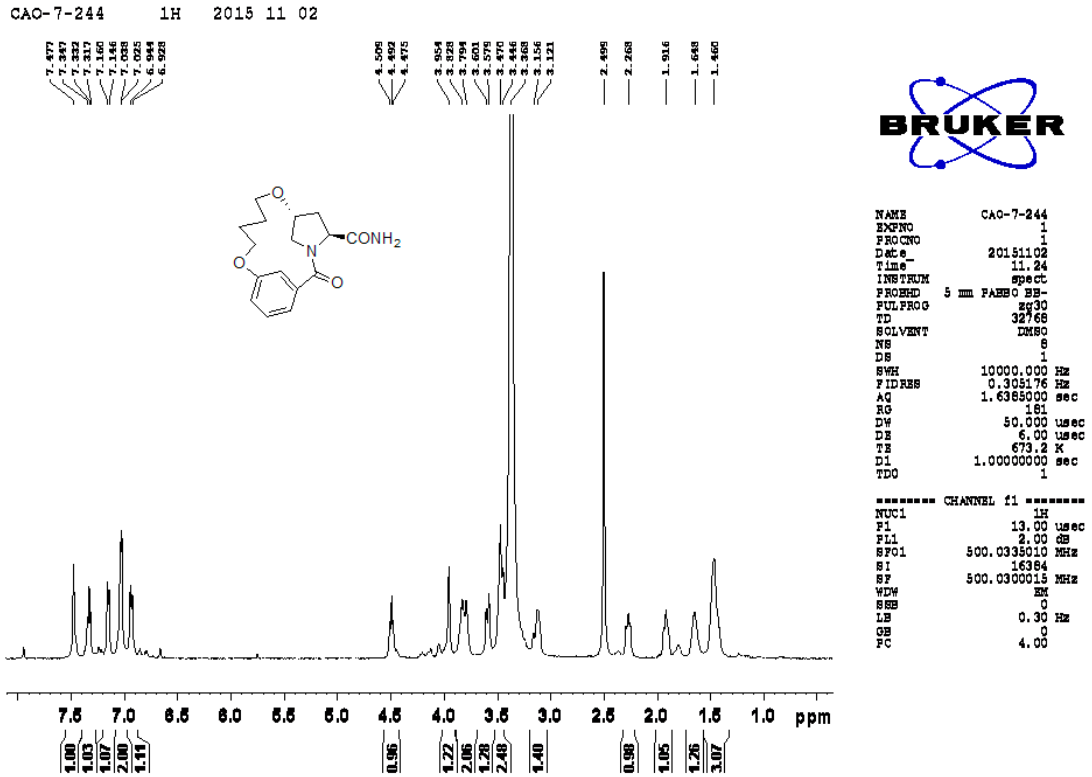


Figure S27. ^{1}H-NMR Spectrum of **35**.

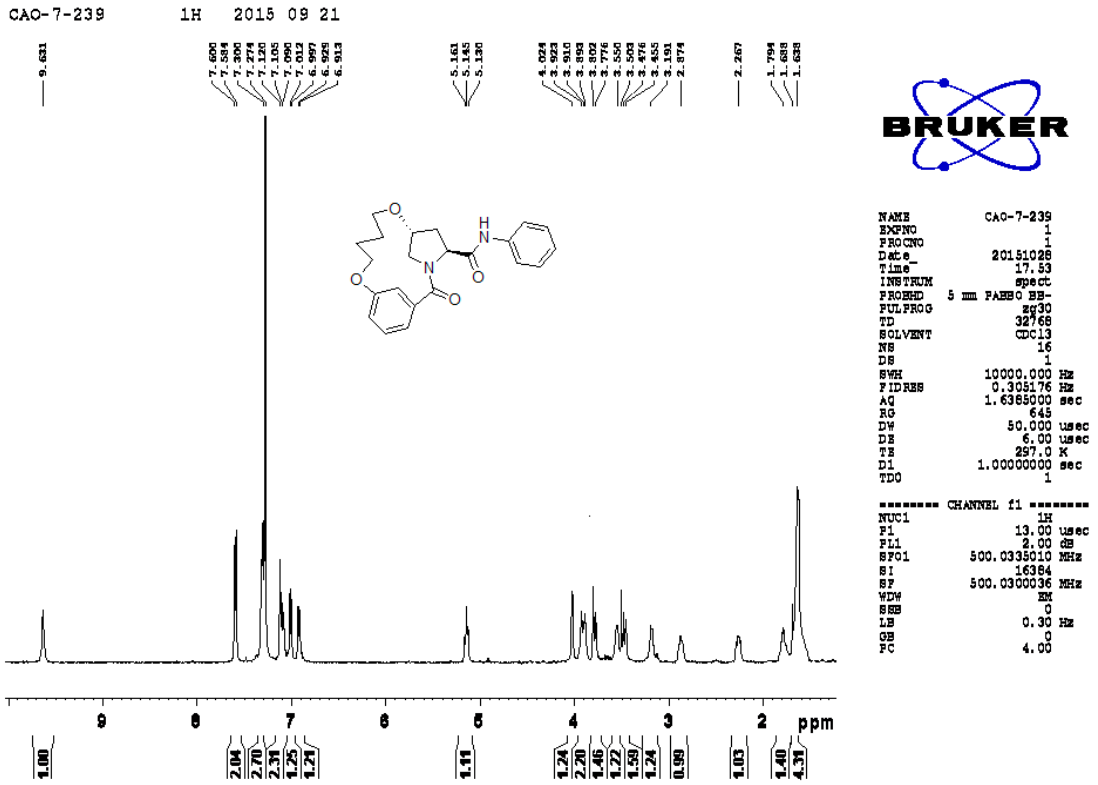


Figure S28. ^{1}H-NMR Spectrum of **36**.

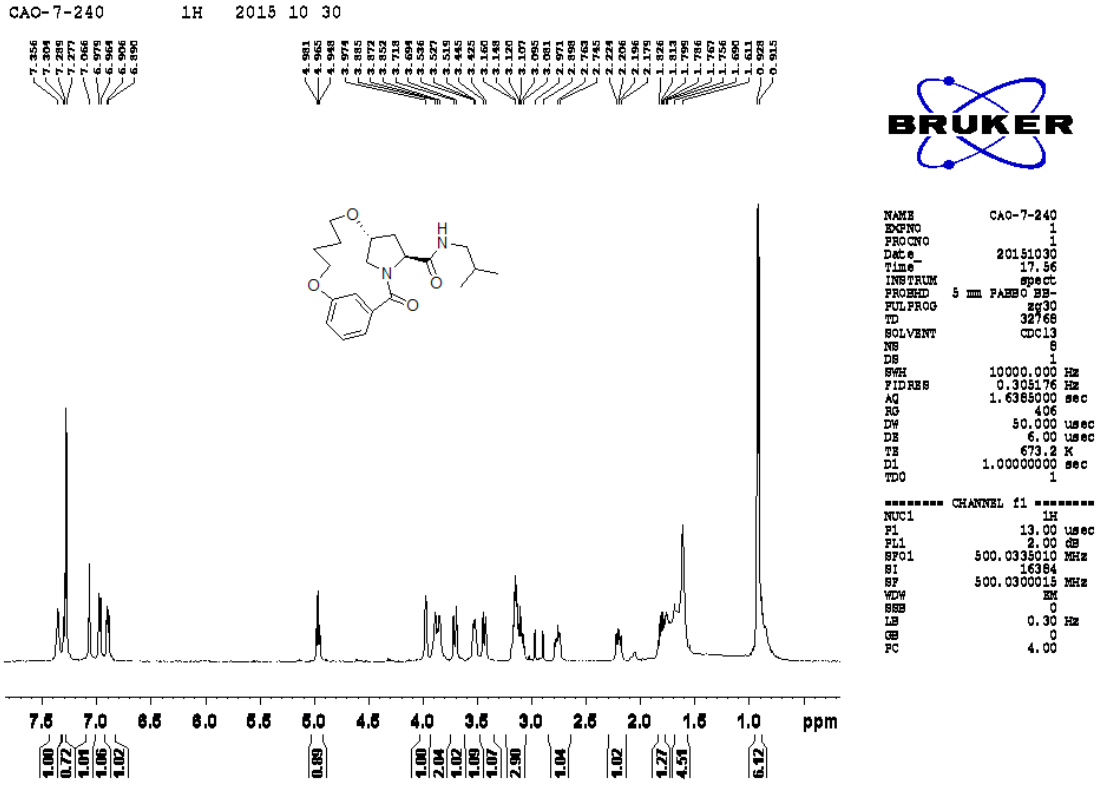


Figure S29. ^{1}H-NMR Spectrum of **37**.

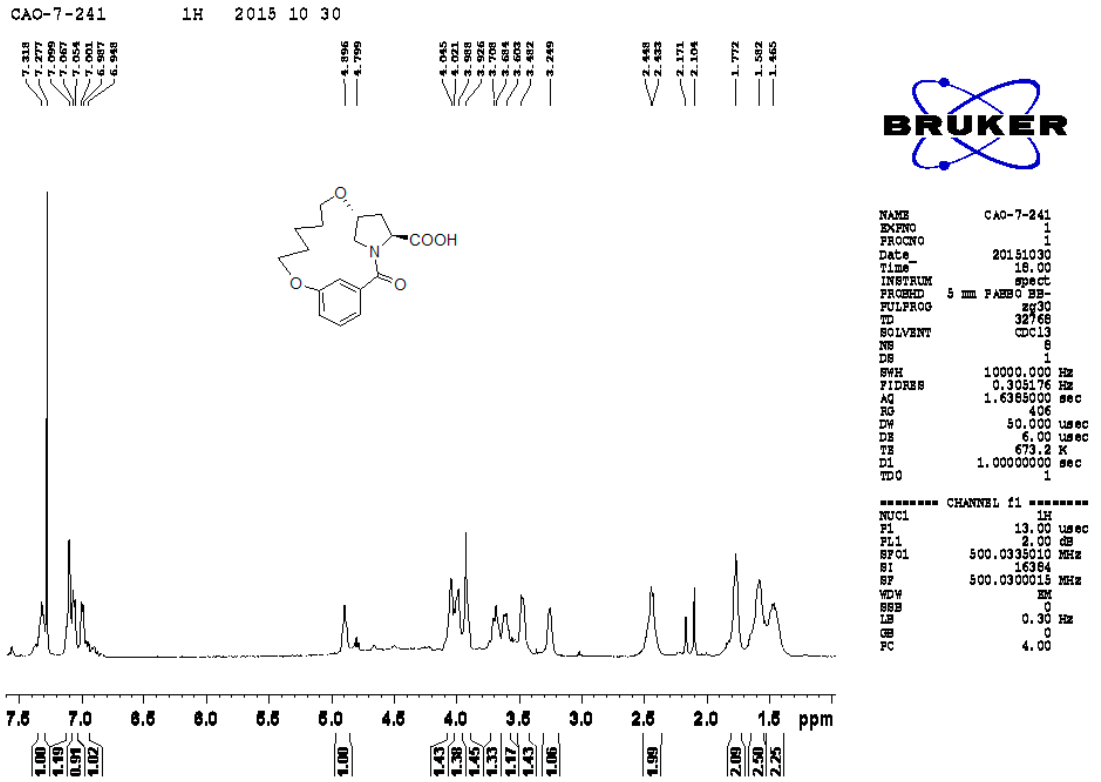


Figure S30. [1]H-NMR Spectrum of **38**.

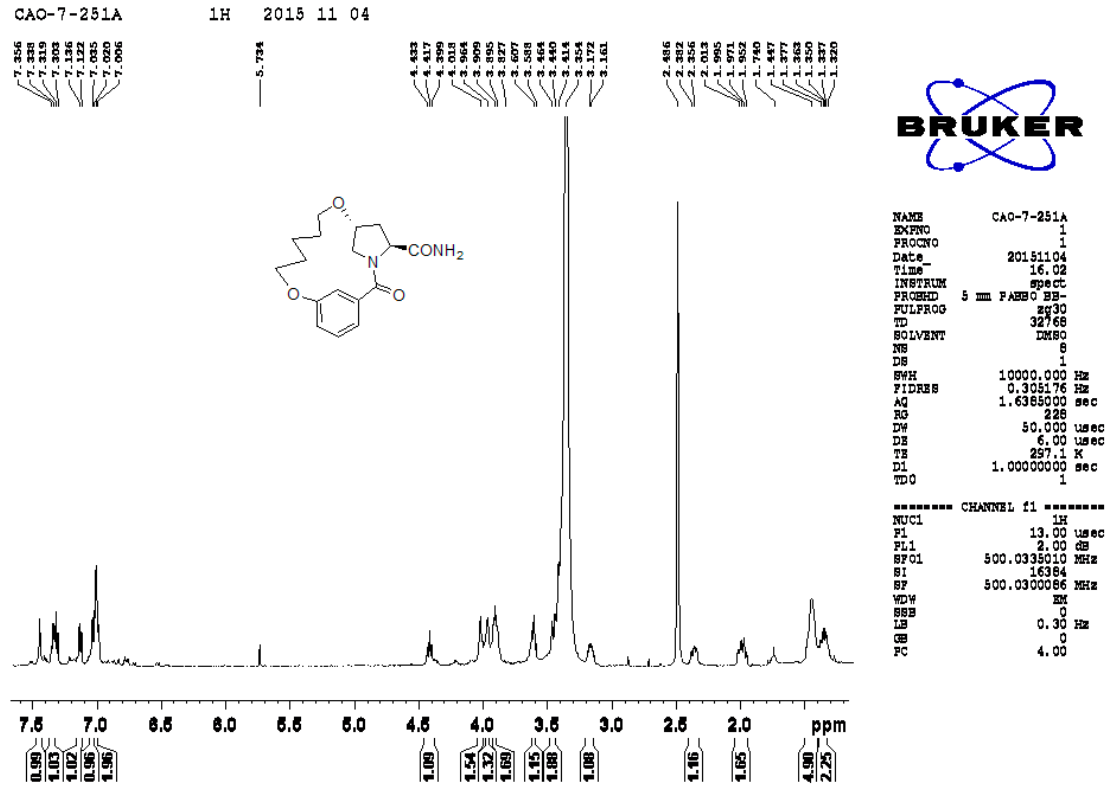


Figure S31. [1]H-NMR Spectrum of **39**.

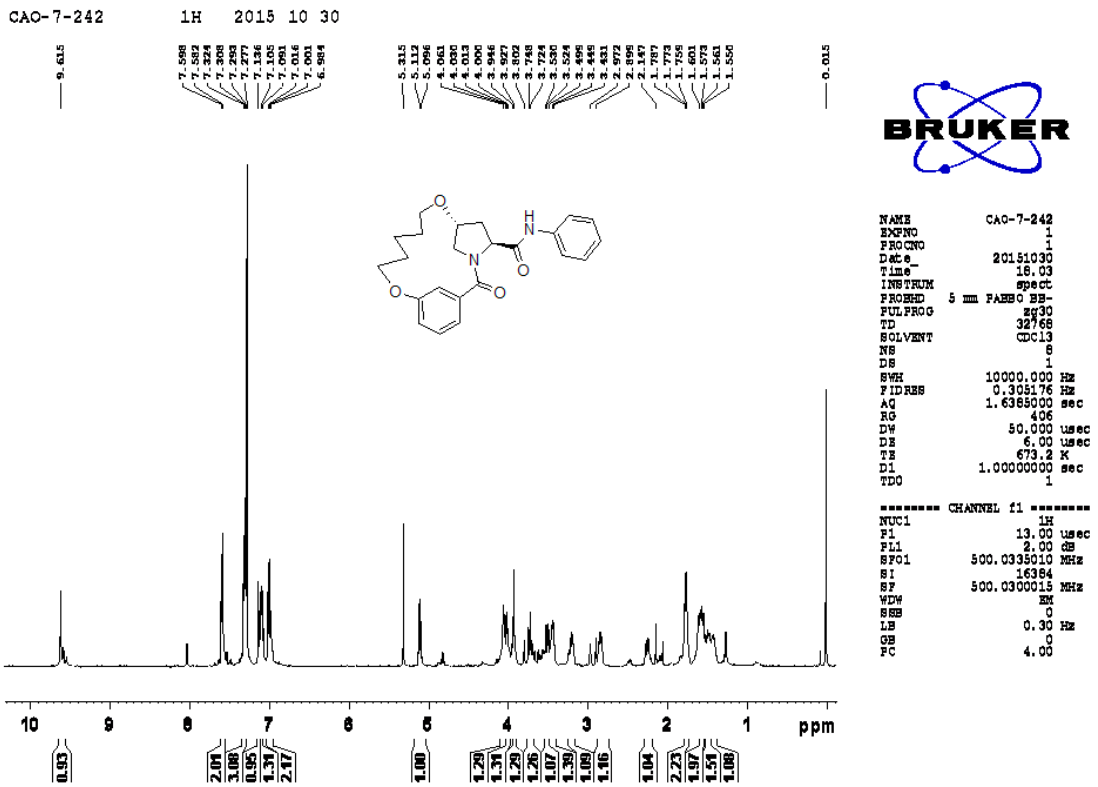


Figure S32. [1]H-NMR Spectrum of **40**.

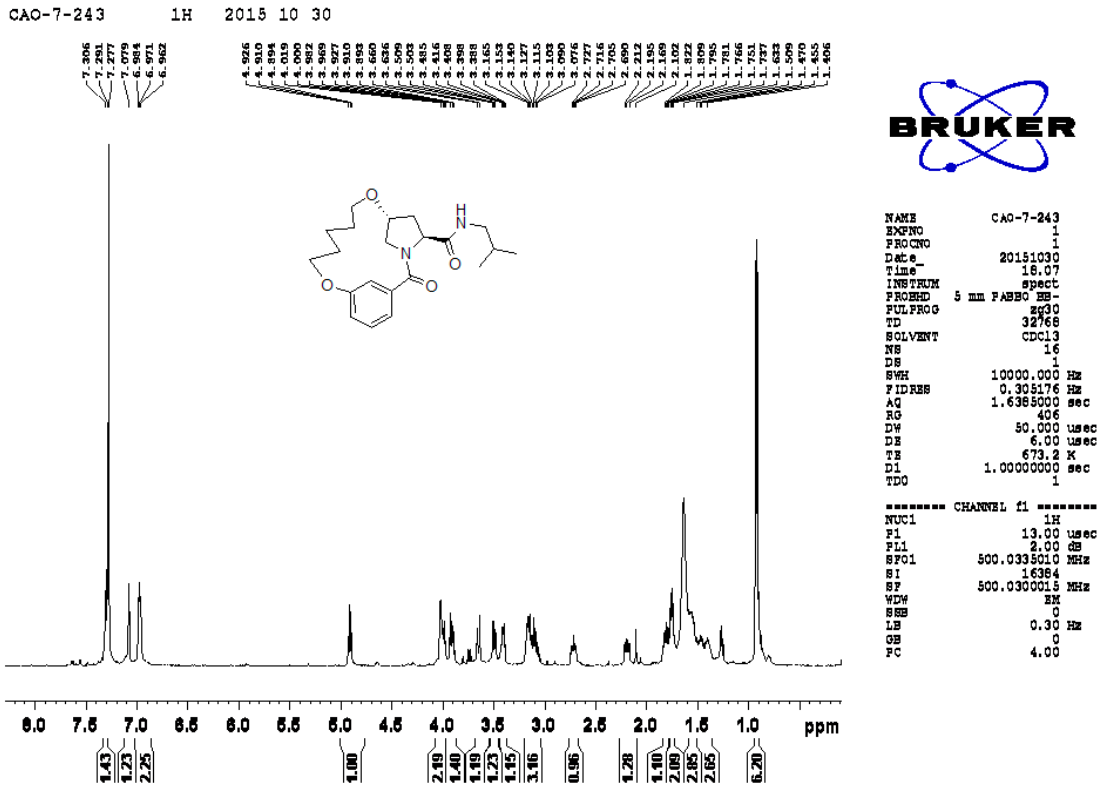


Figure S33. [1]H-NMR Spectrum of **41**.

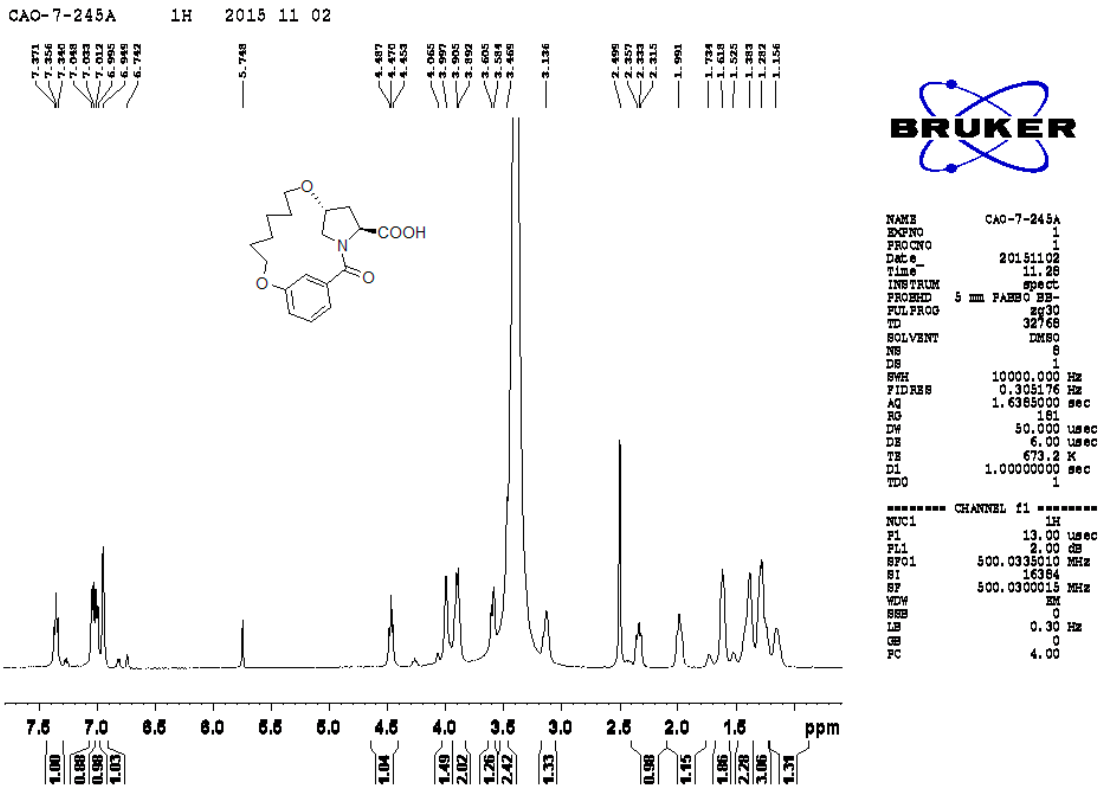


Figure S34. [1]H-NMR Spectrum of **42**.

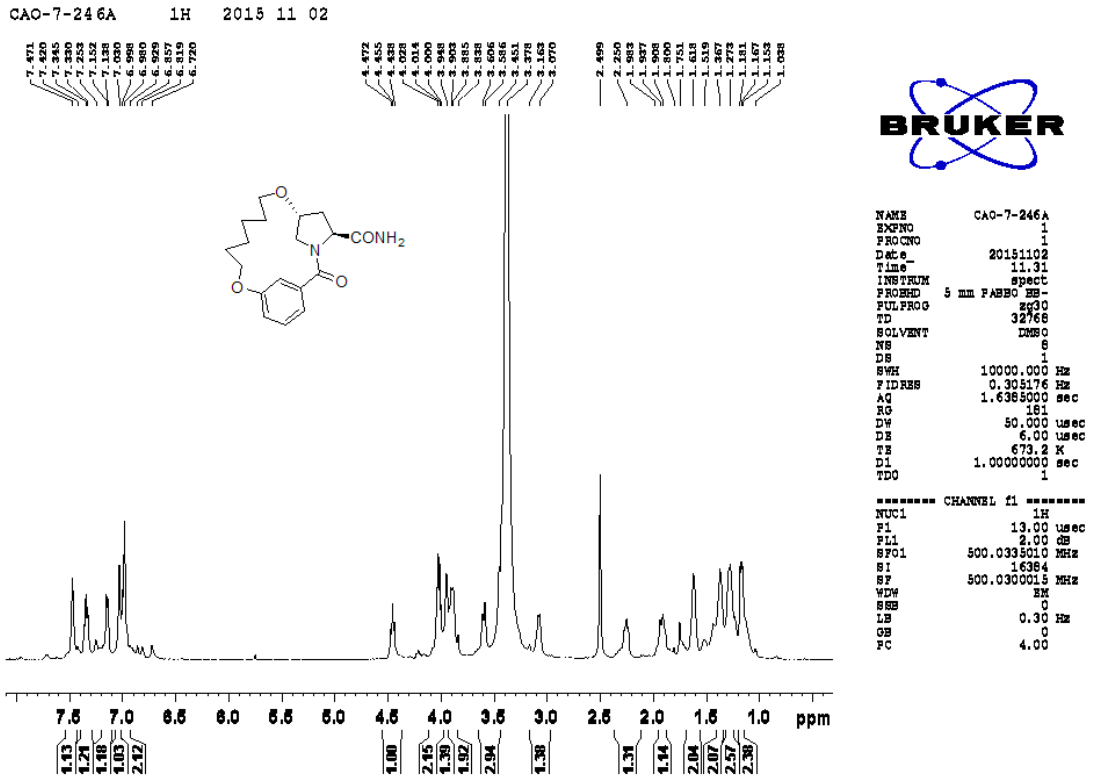


Figure S35. [1]H-NMR Spectrum of **43**.

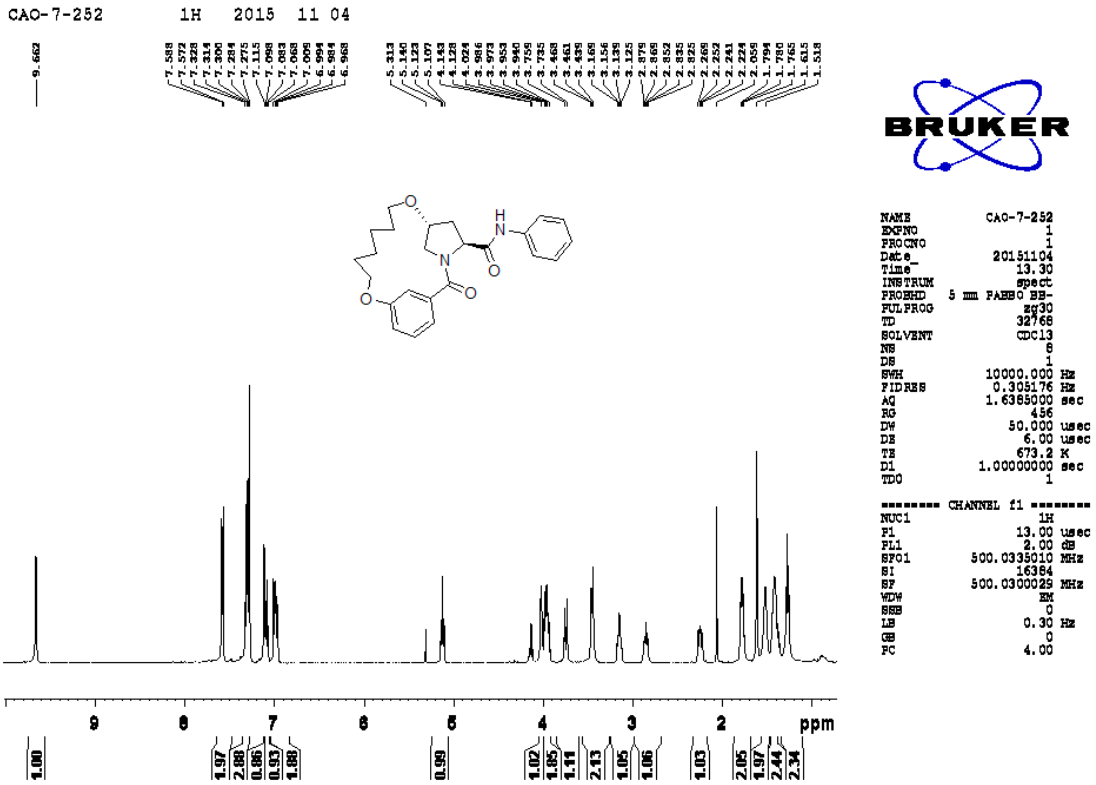


Figure S36. [1]H-NMR Spectrum of **44**.

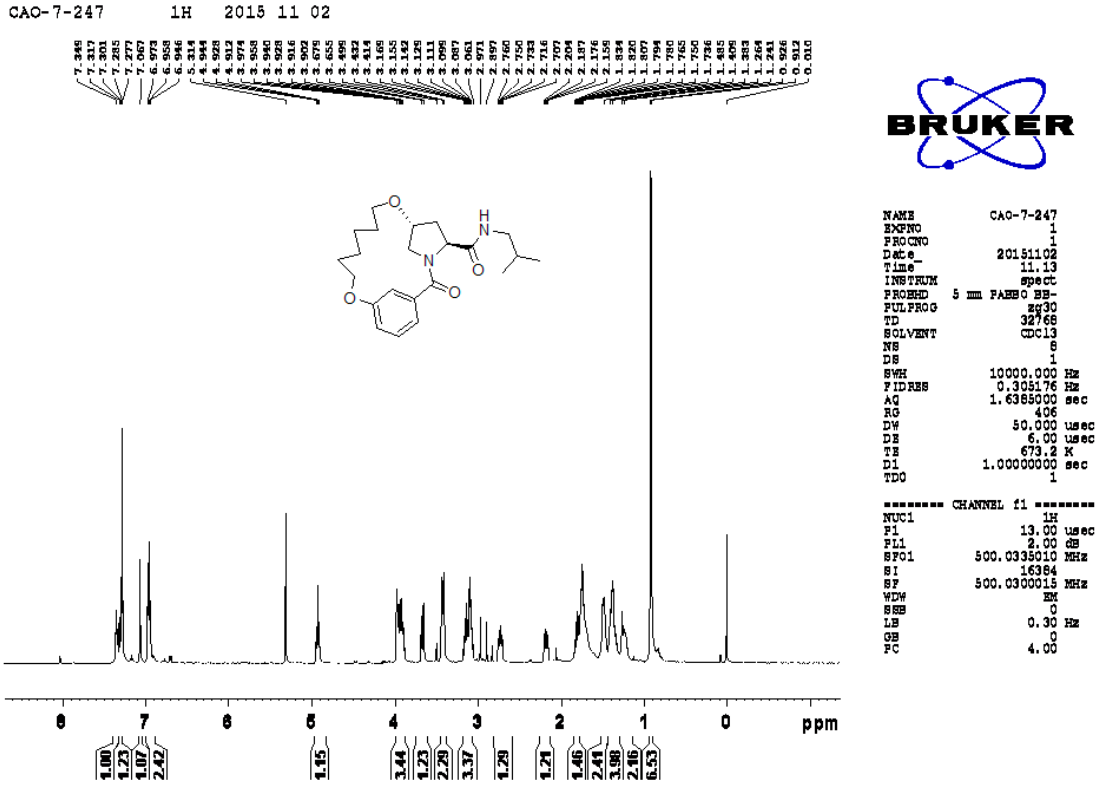


Figure S37. [1]H-NMR Spectrum of **45**.