Supporting Information for

Antioxidant Activity of Peptide-based Angiotensin Converting Enzyme Inhibitors

by

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Figure S1. ¹H NMR Spectrum of compound 22 in CDCl₃.





Figure S2. ¹³C NMR Spectrum of compound 22 in CDCl₃.

Figure S3. ⁷⁷Se NMR Spectrum of compound 22 in CDCl₃.





Figure S4. ESI-MS spectrum of compound 22. Calculated mass: 670.2007, found: 670.2640.



Figure S5. ¹H NMR Spectrum of compound 23 in CDCl₃.

Figure S6. ¹³C NMR Spectrum of compound 23 in CDCl₃.





Figure S7. ESI-MS spectrum of compound 23. Calculated mass: 622.2563, found: 622.3636.

Figure S8. ¹H NMR Spectrum of compound 24 in CDCl₃.





Figure S9. ¹³C NMR Spectrum of compound 24 in CDCl₃.

Figure S10. ⁷⁷Se NMR Spectrum of compound 24 in CDCl₃.





Figure S11. ESI-MS spectrum of compound 24. Calculated mass: 622.2007, found: 622.1271.



Figure S12. ¹H NMR Spectrum of compound 25 in CDCl₃.

Figure S13. ¹³C NMR Spectrum of compound 25 in CDCl₃.







Figure S15. ESI-MS spectrum of Compound 25. Calculated mass: 594.1694, found: 594.2136.







Figure S17. ¹³C NMR Spectrum of compound 26 in CDCl₃.



Figure S18. ⁷⁷Se NMR Spectrum of compound 26 in CDCl₃.



Figure S19. ESI-MS spectrum of compound 26. Calculated mass: 1073.2818, found: 1073.2656.





Figure S20. ¹H NMR Spectrum of compound 27 in CDCl₃.

Figure S21. ¹³C NMR Spectrum of compound 27 in CDCl₃.





Figure S22. ESI-MS spectrum of compound 27. Calculated mass: 979.3921, found 980.3397.

Figure S23. ¹H NMR Spectrum of compound 28 in CDCl₃.





Figure S24. ¹³C NMR Spectrum of compound 28 in CDCl₃.

Figure S25. ⁷⁷Se NMR Spectrum of compound 28 in CDCl₃.





Figure S26. ESI-MS spectrum of compound 28. Calculated mass: 979.2810, found 979.2982.

Figure S27. ¹H NMR Spectrum of compound 29 in CDCl₃.





Figure S28. ¹³C NMR Spectrum of compound **29** in CDCl₃.

Figure S29. ⁷⁷Se NMR Spectrum of compound 29 in CDCl₃.





Figure S30. ESI-MS spectrum of compound 29. Calculated mass: 923.2184, found 923.1868.

Figure S31. ¹H NMR Spectrum of compound 30 in MeOH-d₄.







Figure S33. ⁷⁷Se NMR Spectrum of compound 30 in MeOH-d₄.











Figure S36. ¹³C NMR Spectrum of compound 31 in MeOH-d₄.





Figure S37. ESI-MS spectrum of compound 31. Calculated mass: 757.3053, found 757.2333.



Figure S38. ¹H NMR Spectrum of compound 32 in MeOH-d₄.

Figure S39. ¹³C NMR Spectrum of compound 32 in MeOH-d₄.







Figure S41. ESI-MS spectrum of compound 32. Calculated mass: 757.1942, found 757.2333.







Figure S43. ¹³C NMR Spectrum of compound 33 in MeOH-d₄.







Figure S45. ESI-MS spectrum of compound 33. Calculated mass: 701.1316, found 701.1487.





Figure S46. ¹H NMR Spectrum of compound 36 in CDCl₃.

Figure S47. ¹³C NMR Spectrum of compound 36 in CDCl₃.





Figure S48. ESI-MS spectrum of compound 36. Calculated mass: 624.2719, found 624.4609.





Figure S50. ¹³C NMR Spectrum of compound 37 in CDCl₃.





Figure S51. ESI-MS spectrum of compound 37. Calculated mass: 983.4234, found 983.3778.

Figure S52. ¹H NMR Spectrum of compound 38 in MeOH-d₄.





Figure S53. ¹³C NMR Spectrum of compound 38 in MeOH-d₄.

Figure S54. ESI-MS spectrum of compound 38. Calculated mass: 783.3186, found 783.3188.







Figure S56. ¹³C NMR Spectrum of compound 39in CDCl₃.







Figure S58. ESI-MS spectrum of compound 39. Calculated mass: 537.1480, found 537.1052.







Figure S60. ¹³C NMR Spectrum of compound 40 in CDCl₃.





Figure S61. ESI-MS spectrum of compound 40. Calculated mass: 489.2035, found 489.1072.

Figure S62. ¹H NMR Spectrum of compound 41 in CDCl₃.







Figure S64. ⁷⁷Se NMR Spectrum of compound 41 in CDCl₃.





Figure S65. ESI-MS spectrum of compound 41. Calculated mass: 809.1755, found 809.1743.

Figure S66. ¹H NMR Spectrum of compound 42 in CDCl₃.







Figure S68. ESI-MS spectrum of compound 42. Calculated mass: 713.2866, found 713.2884.





Figure S69. ¹H NMR Spectrum of compound 43 in CDCl₃.

Figure S70. ¹³C NMR Spectrum of compound 43 in CDCl₃.







Figure S72. ESI-MS spectrum of compound 43. Calculated mass: 609.0706, found 609.1763.







Figure S74. ¹³C NMR Spectrum of compound 44 in CDCl₃.





Figure S75. ESI-MS spectrum of compound 44. Calculated mass: 513.1817, found 513.3591.



Figure S76. Mass spectrum of compound 33 after treating with PN.



Figure S77. Mass spectrum of compound 33 after treating with PN and GSH.



Figure S78. Mass spectrum of compound 33 after treating with H₂O₂ and GSH.



Figure S79. Mass spectrum of compound 33 after treating with H₂O₂ and GSH (after 24 h).



Figure S80. Mass spectrum of compound 33 after treating with H₂O₂ and GSH.



Figure S81. Mass spectrum of compound 33 after treating with GSH.

Figure S82. Mass spectrum of compound 33 after treating with H₂O₂.





Figure S83. Mass spectrum of compound 33 after treating with H₂O₂ (after 24 h).



Figure S84. Mass spectrum of compound **33** after treating with H₂O₂, GSH and bromopropionic acid.