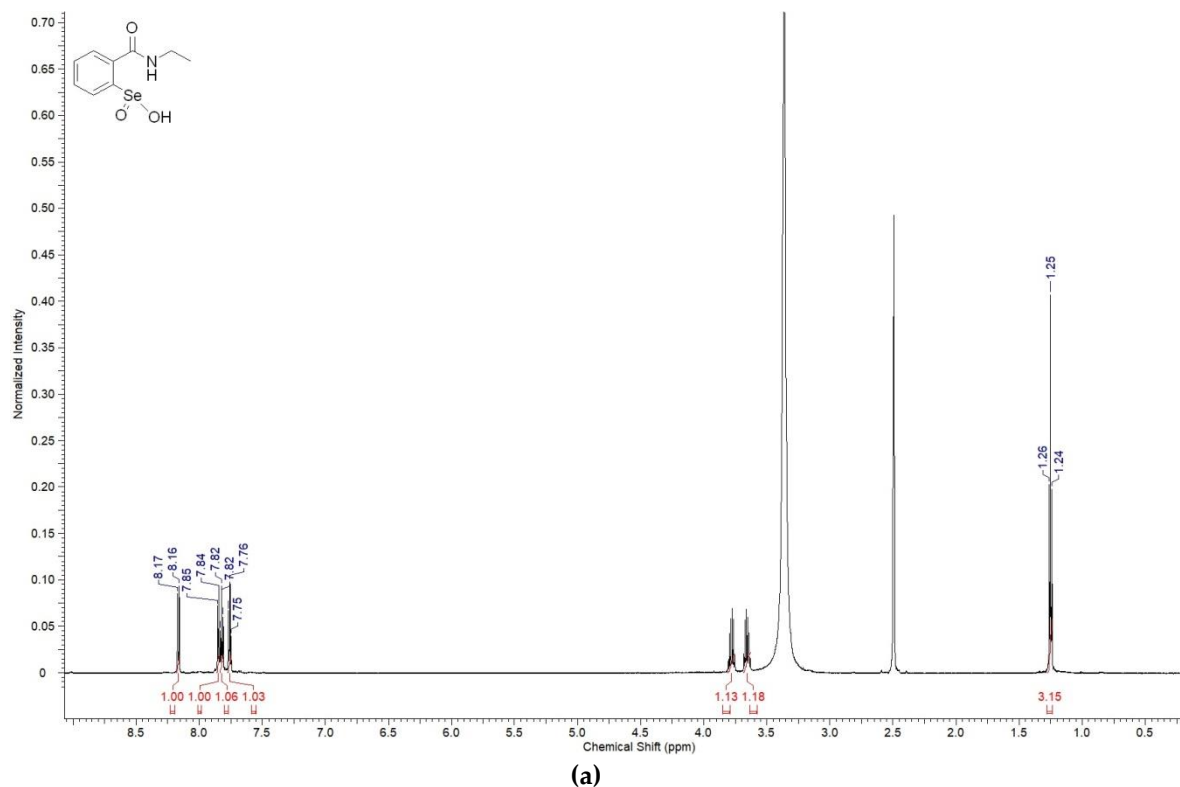


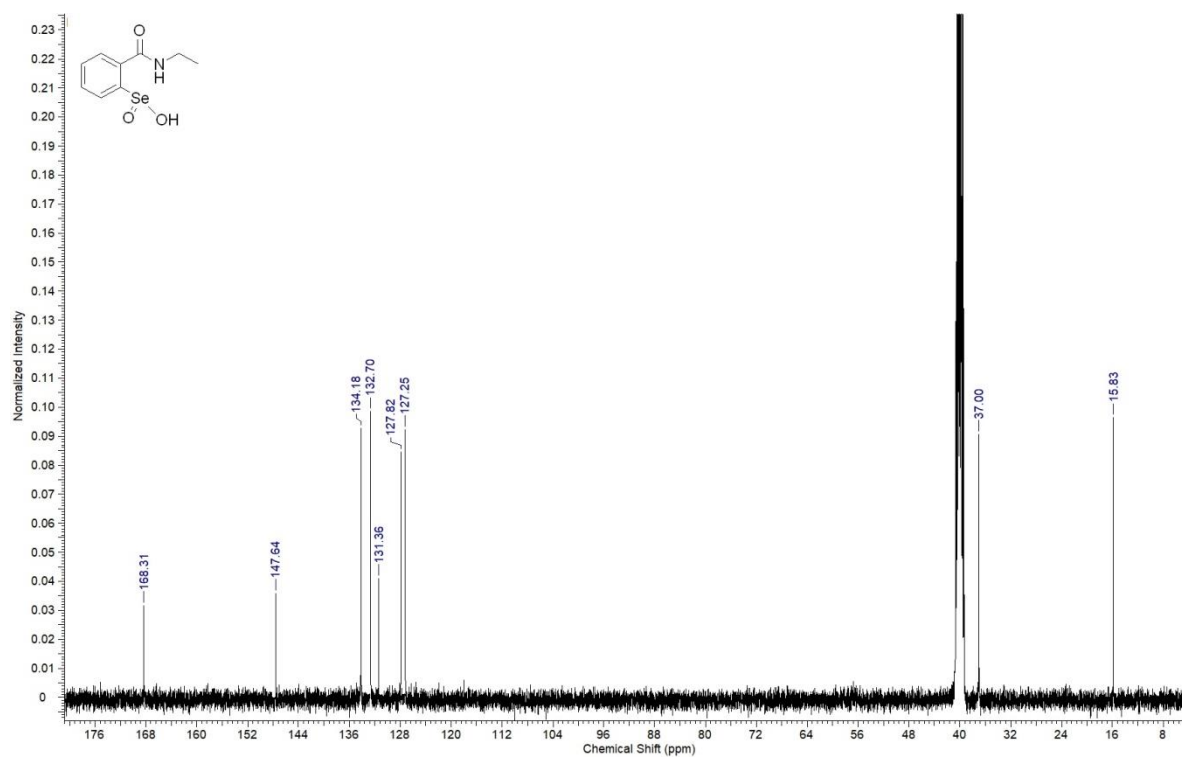
Supporting Information

Seleninic Acid Potassium Salts as Water-Soluble Biocatalysts with Enhanced Bioavailability

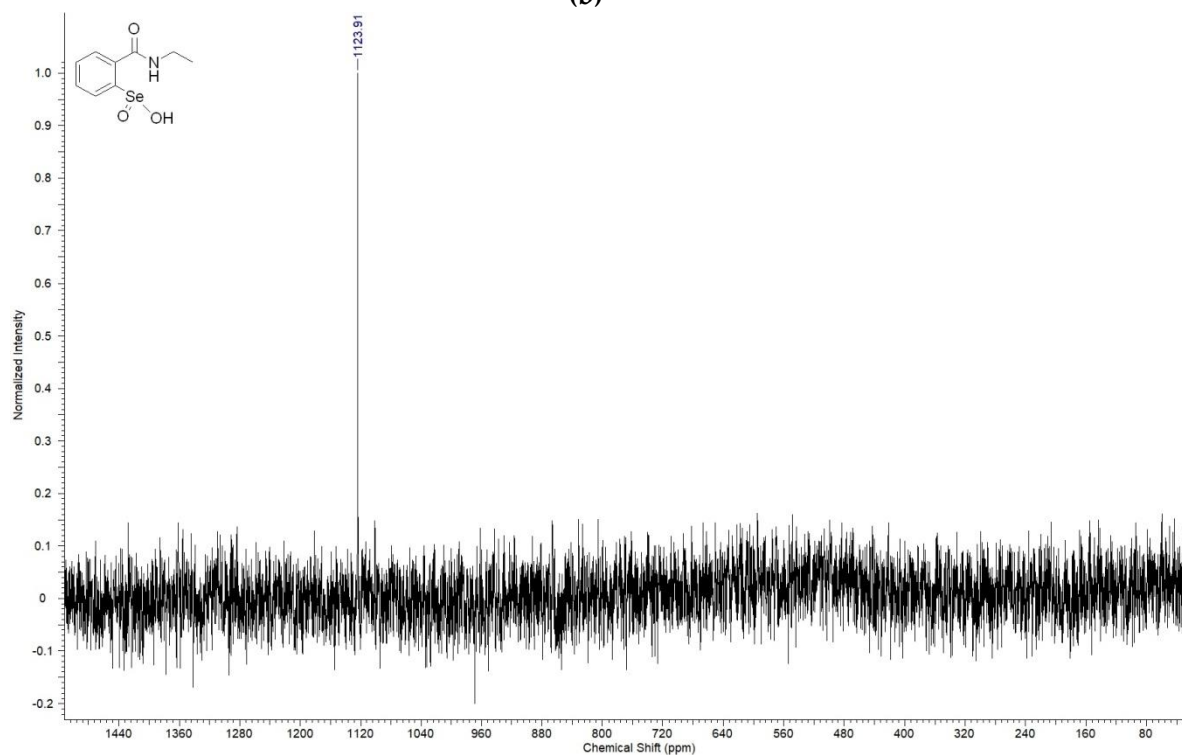
Magdalena Obieziurska¹, Agata J. Pacuła¹, Anna Laskowska¹, Angelika Długosz-Pokorska², Anna Janecka² and Jacek Ścianowski^{1,*}†

1. NMR spectra



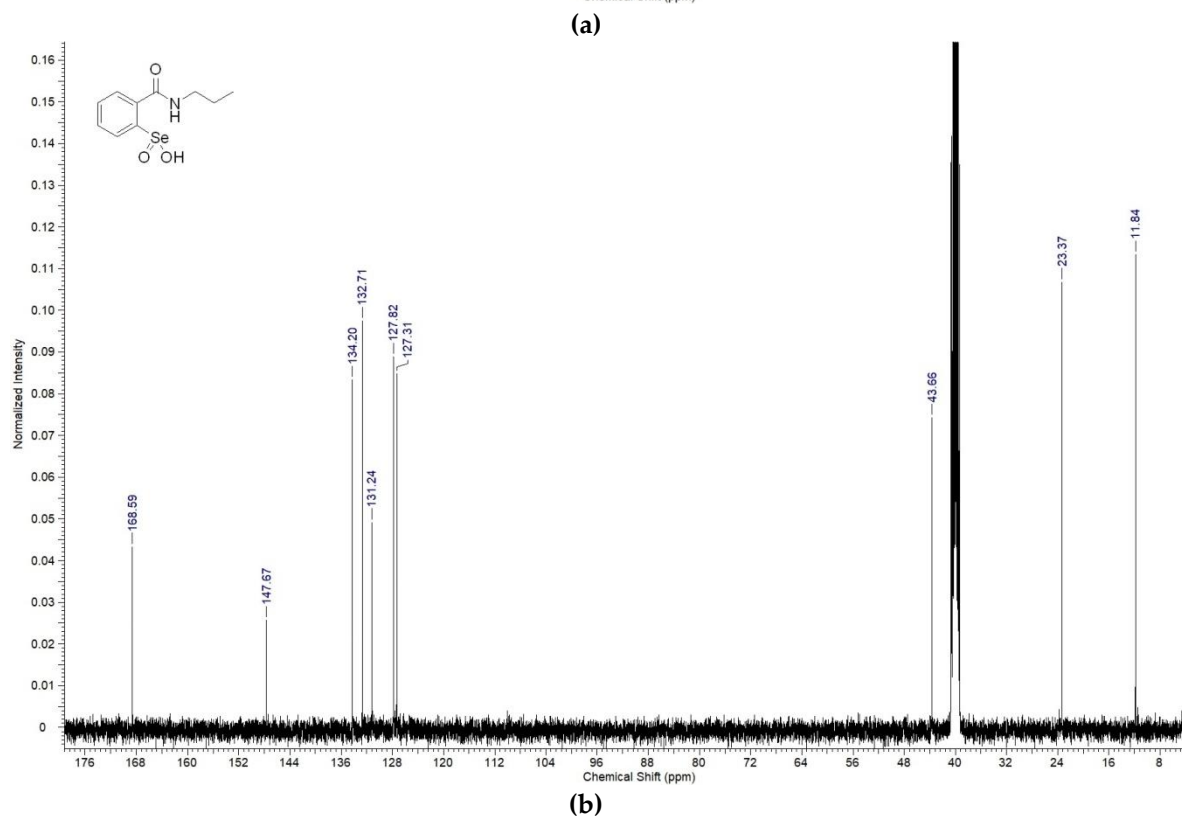
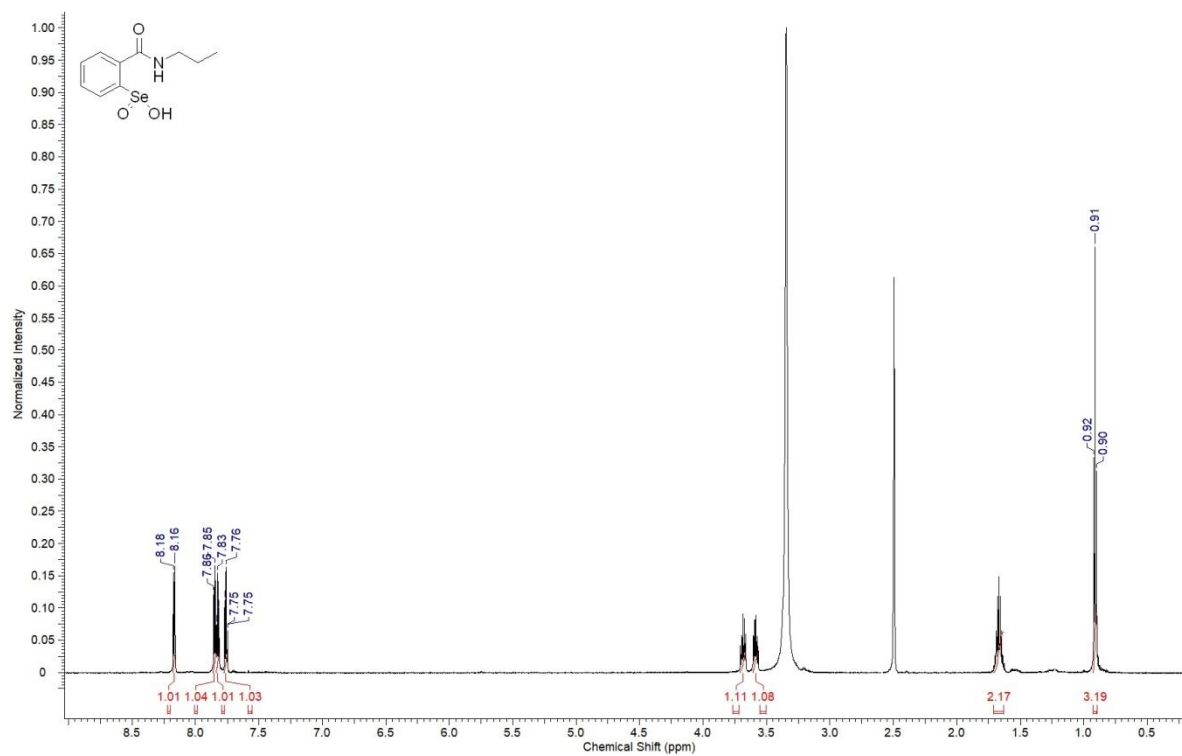


(b)



(c)

Figure S1. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-ethylcarboxyamido)-benzeneselenenic acid 10.



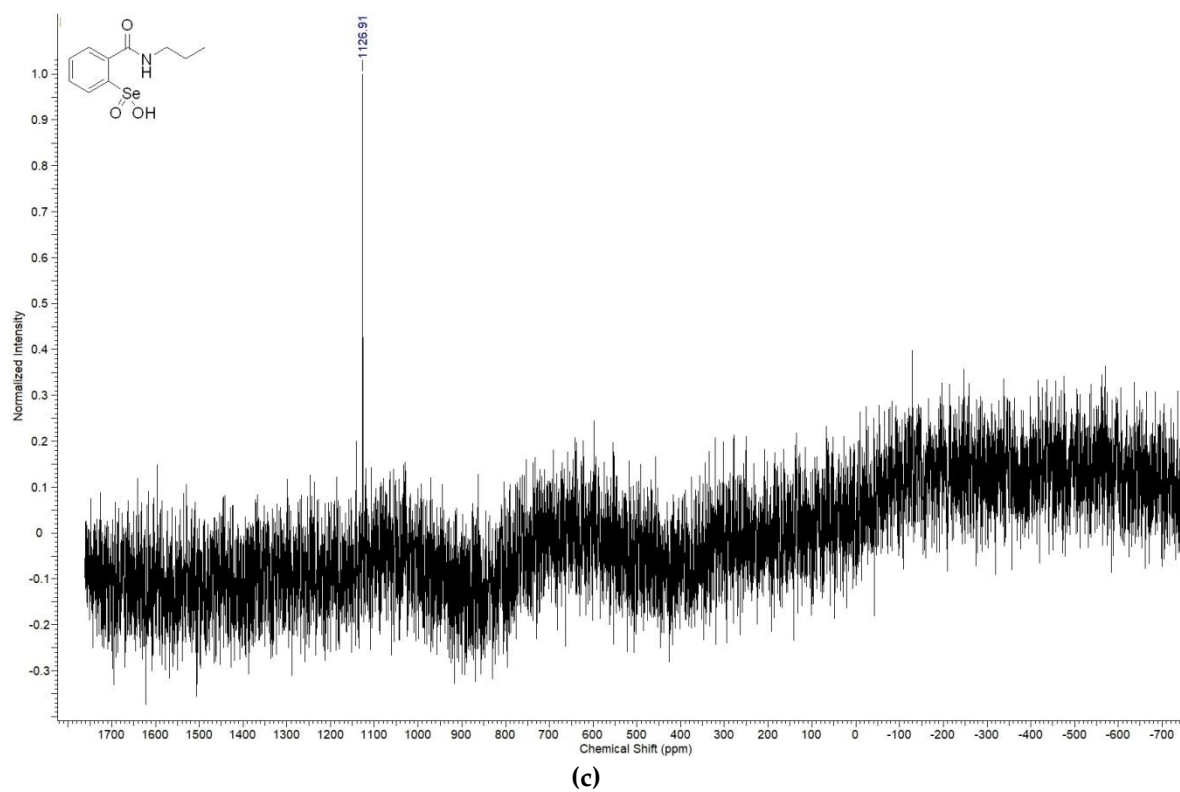
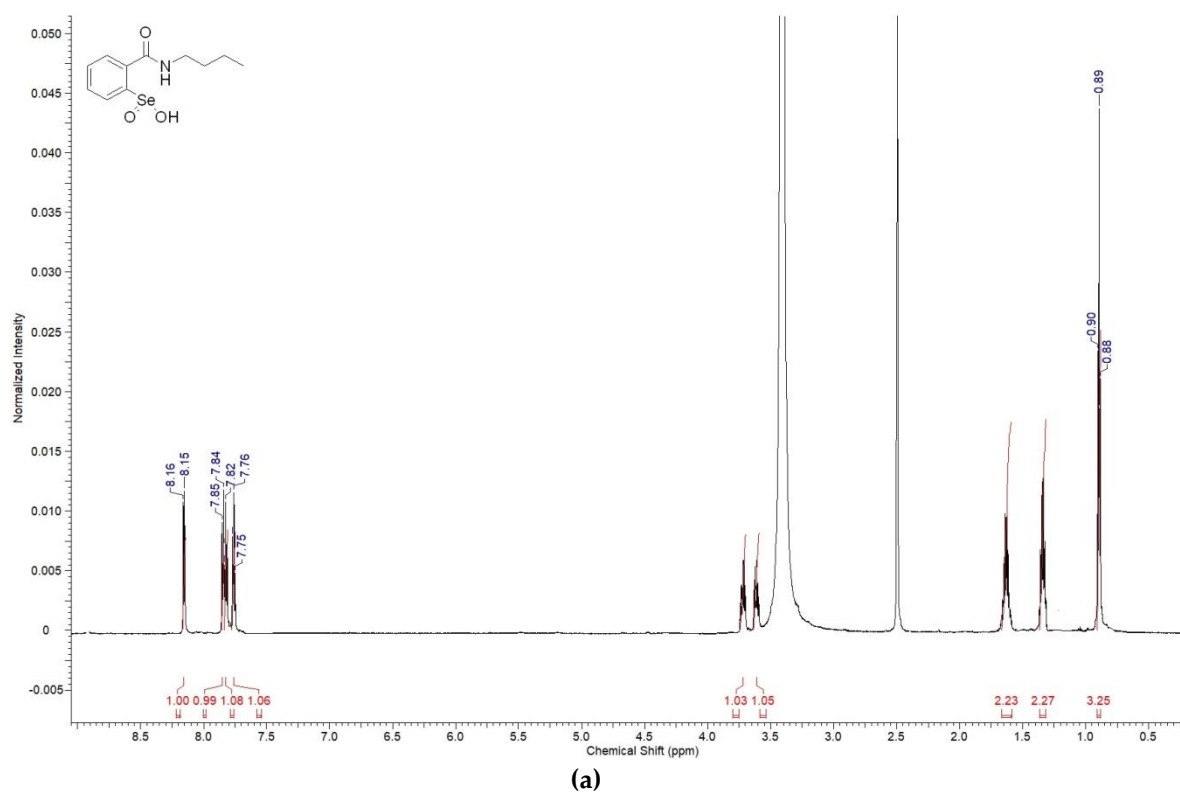
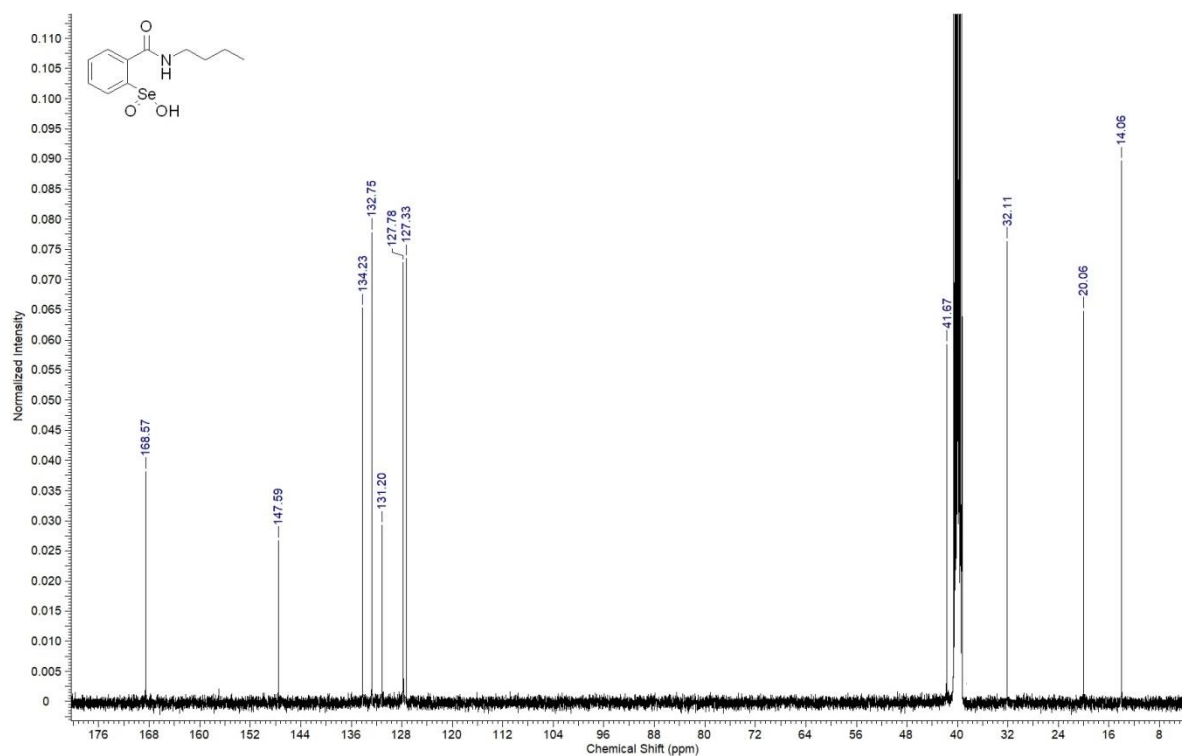
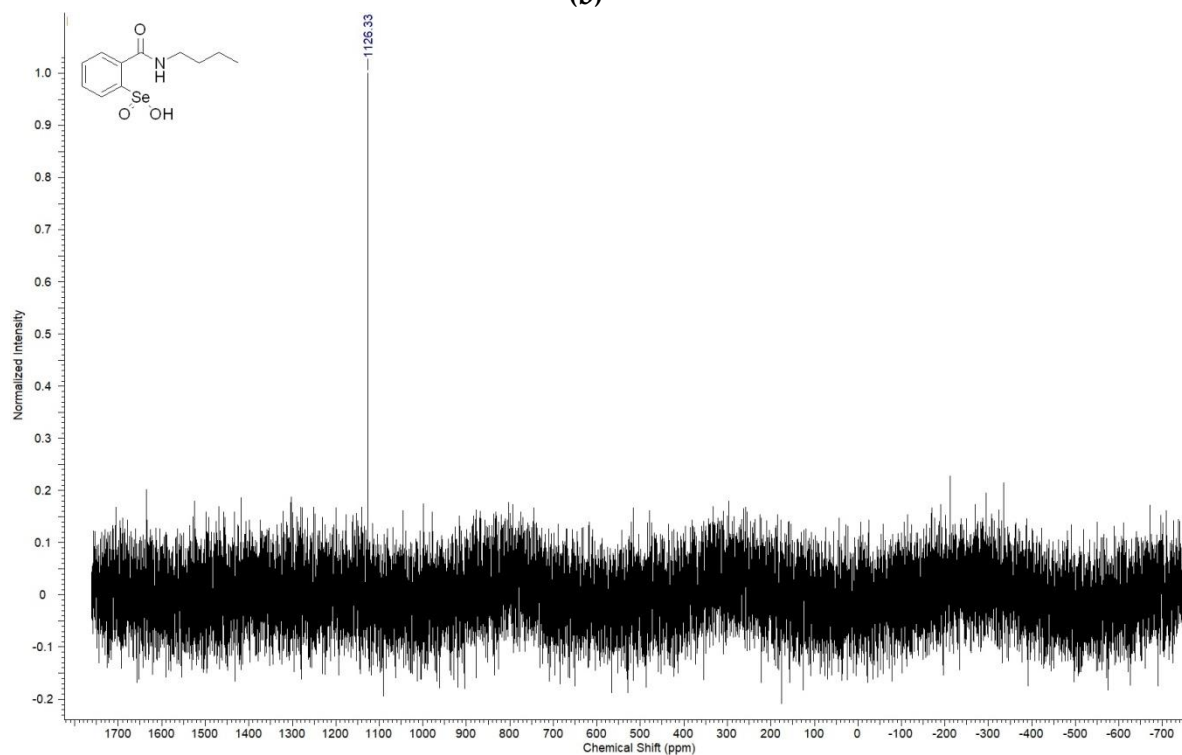


Figure S2. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-propylcarboxamido)-benzeneselenenic acid 11.



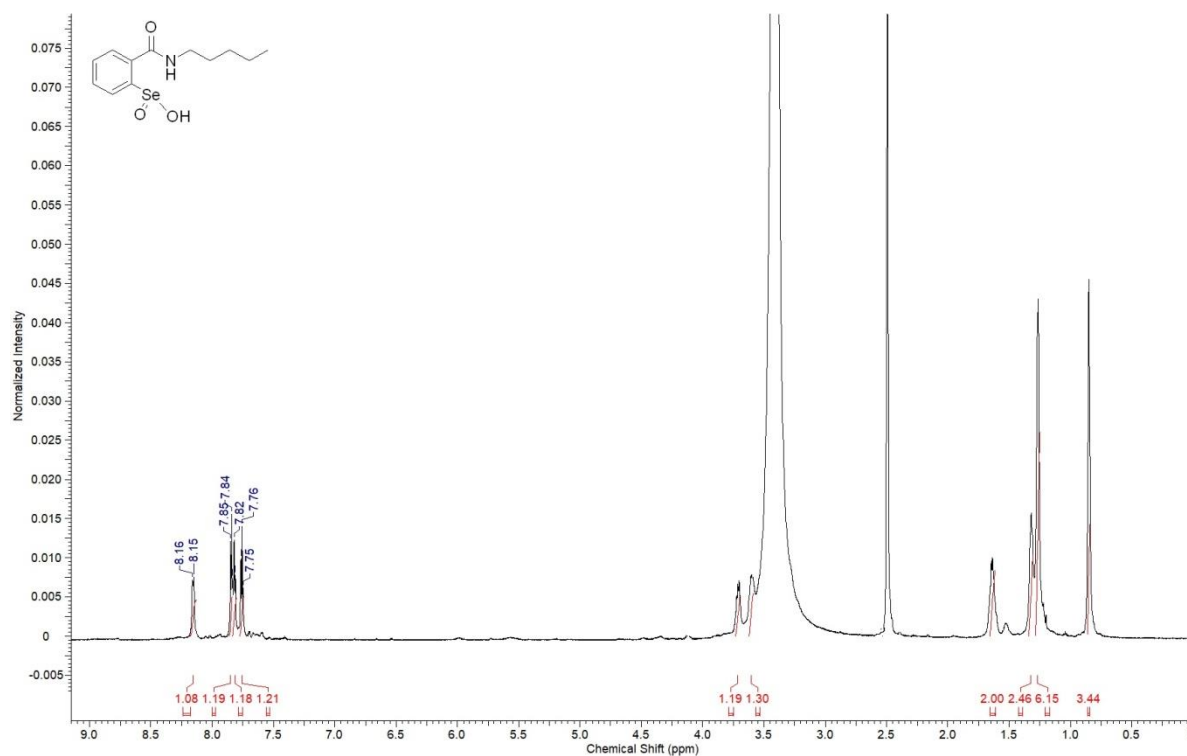


(b)

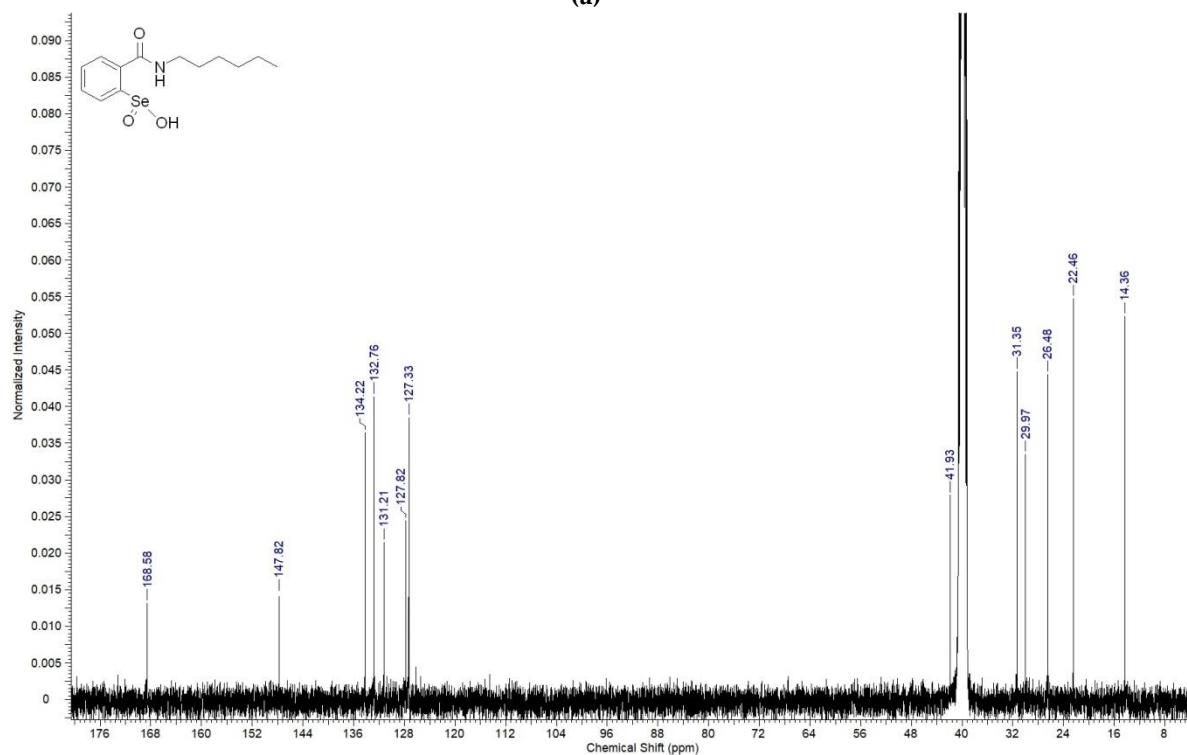


(c)

Figure S3. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-butylcarboxamido)benzeneselenenic acid 12.



(a)



(b)

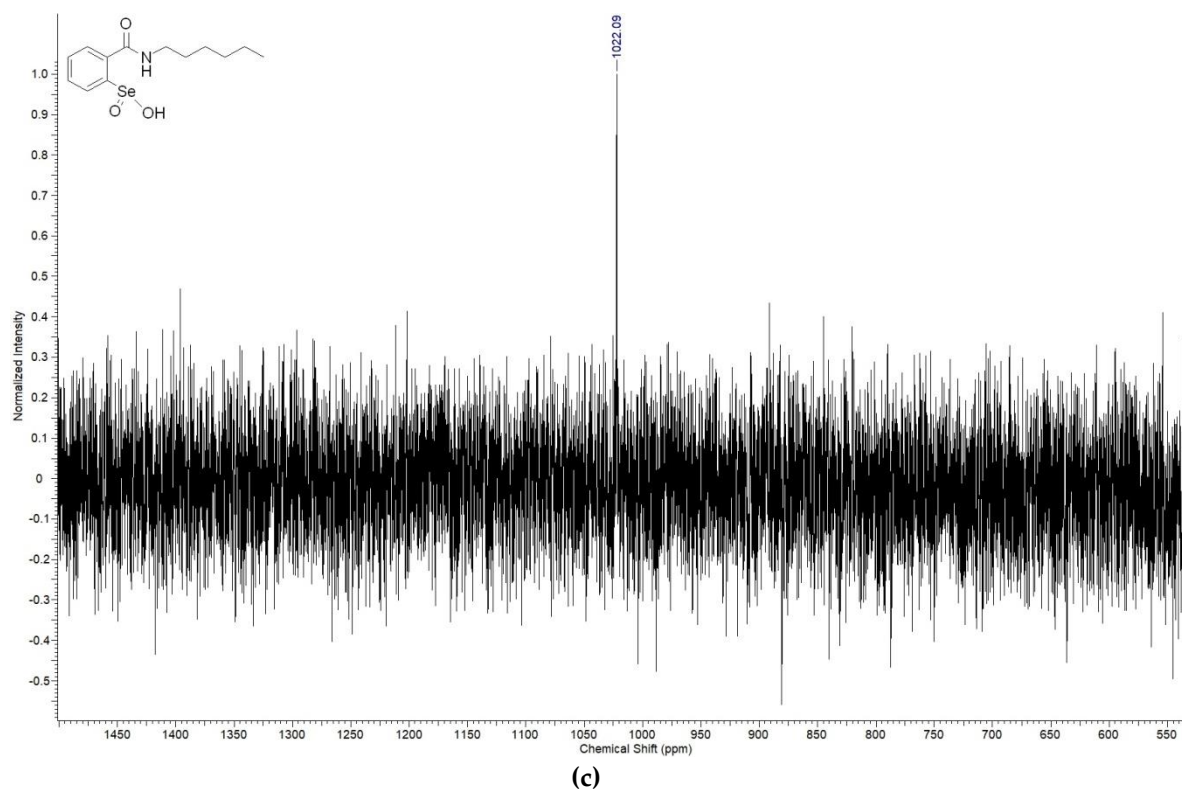
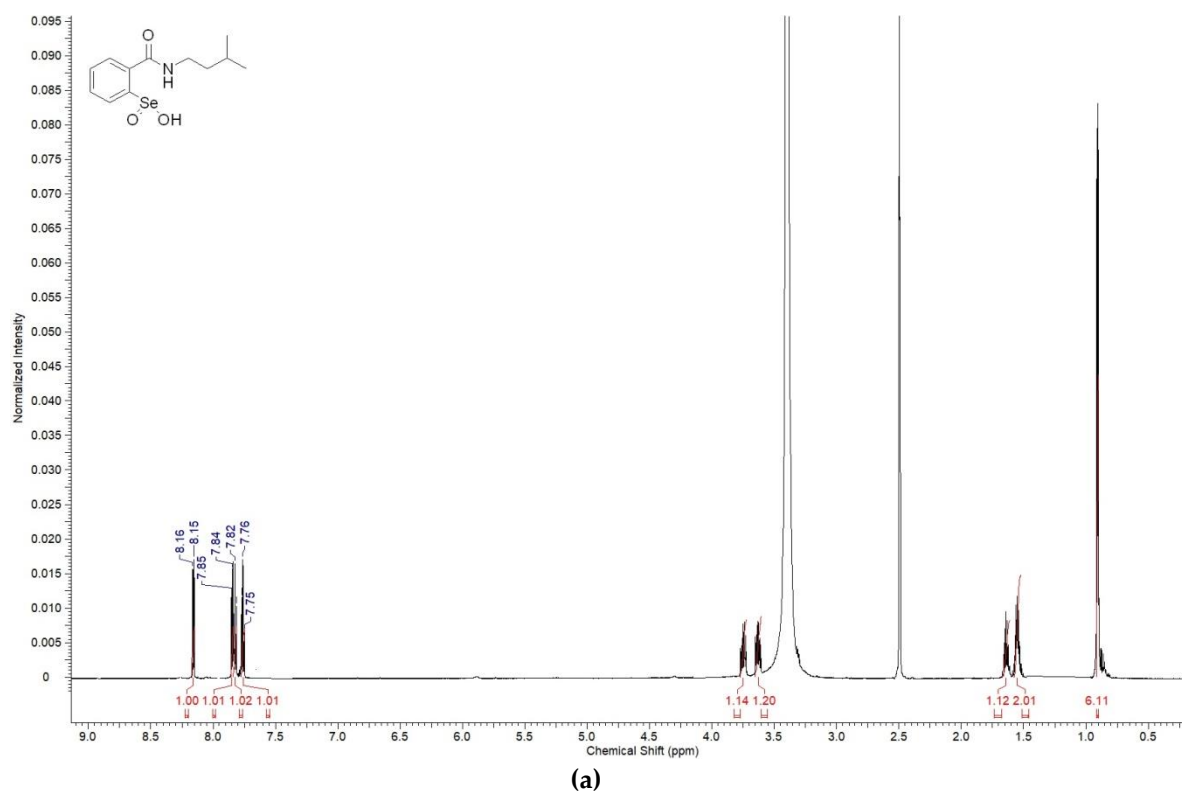
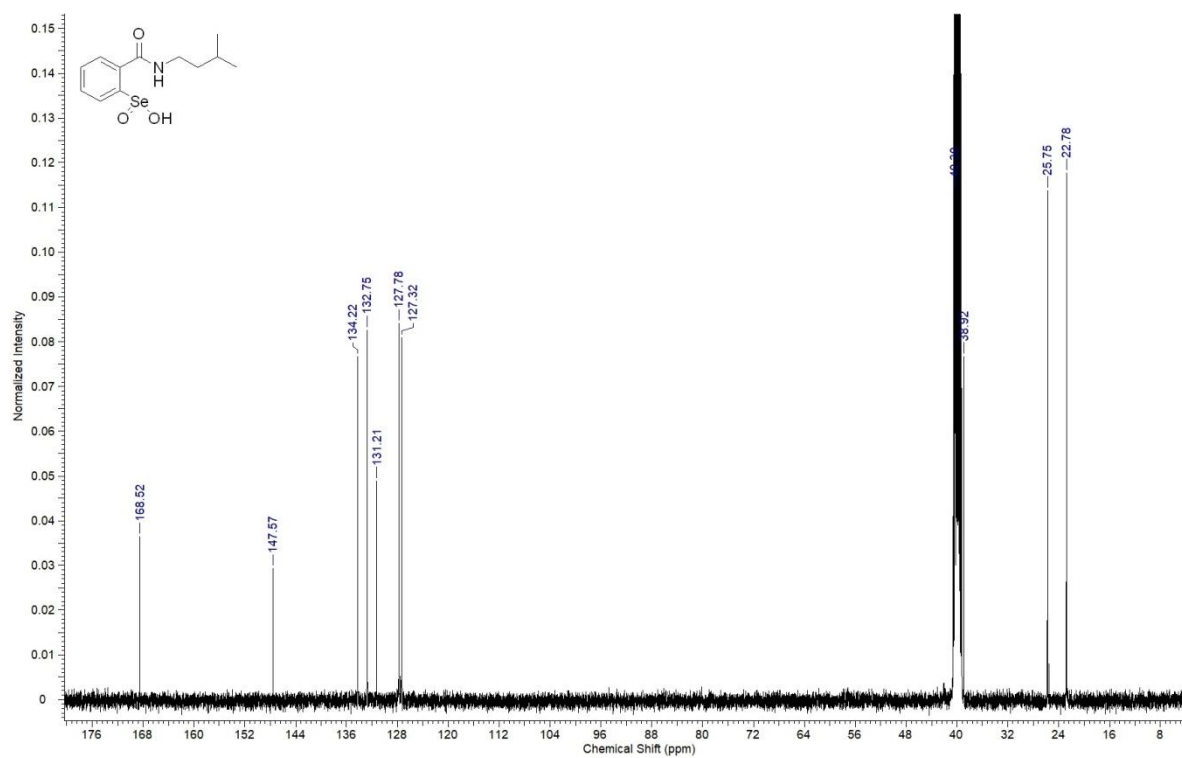
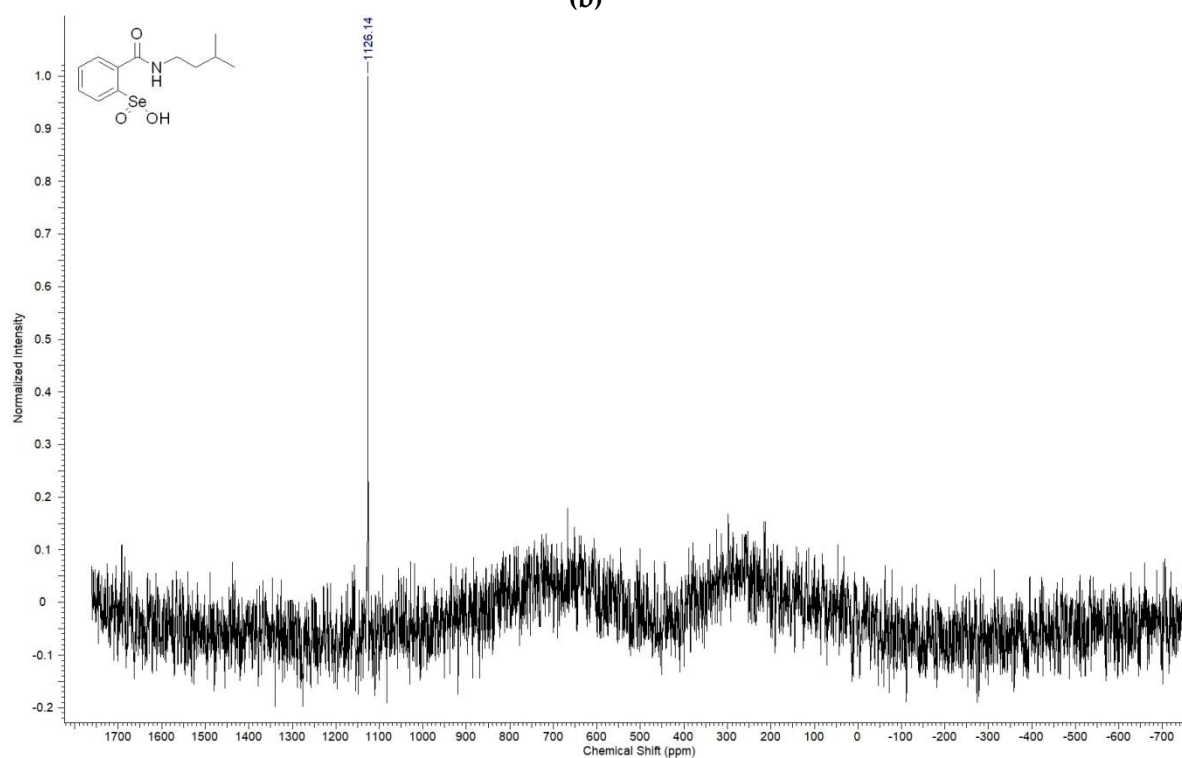


Figure S4. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-hexylcarboxamido)-benzeneselenenic acid 13.



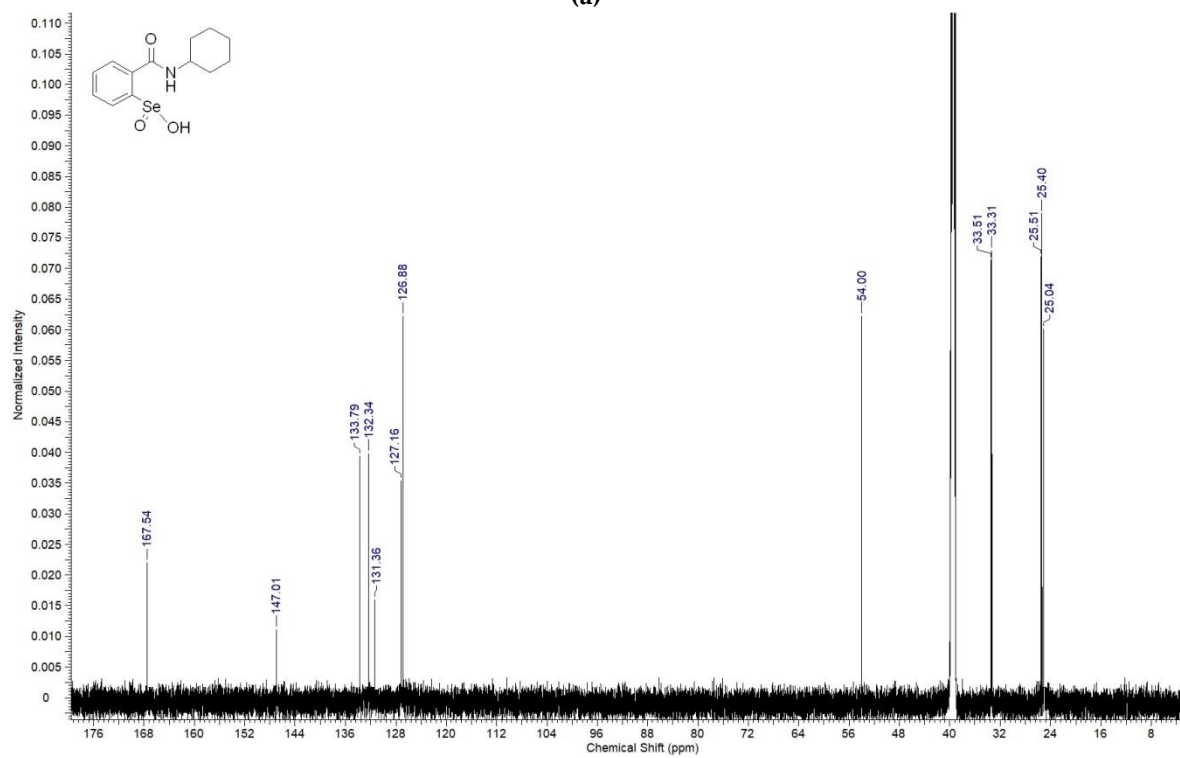
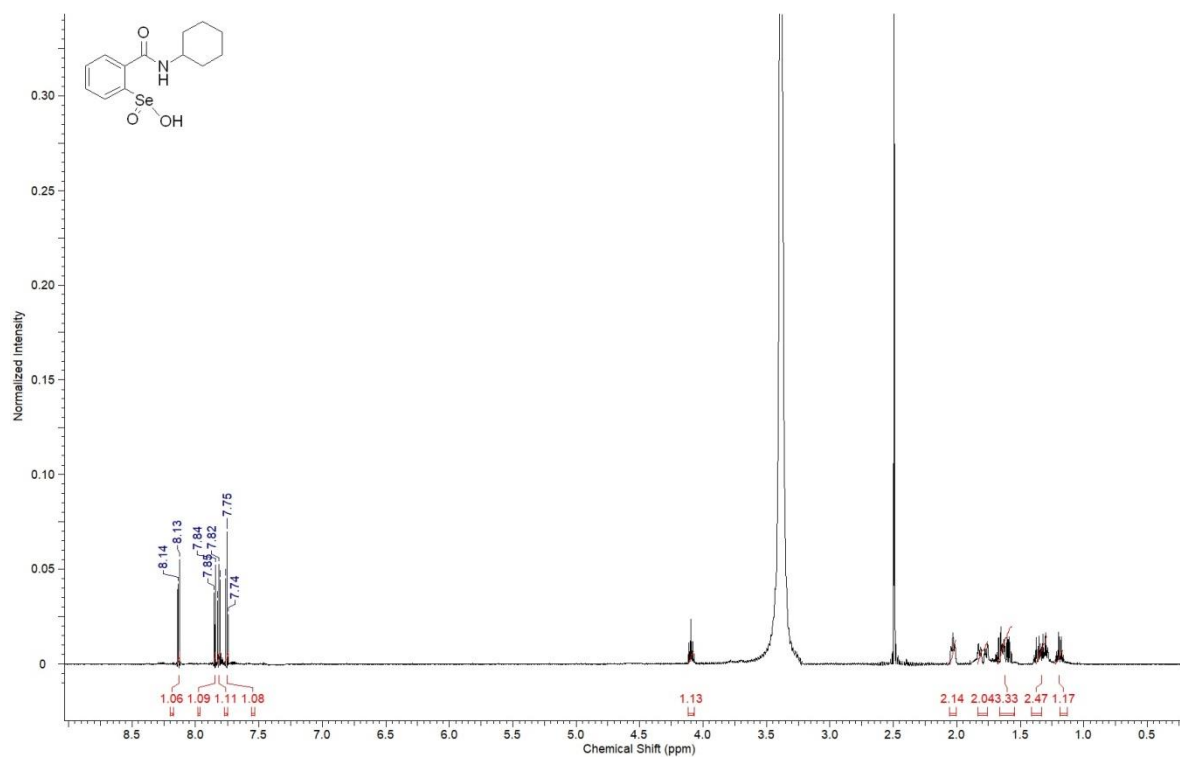


(b)



(c)

Figure S5. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-(3-methyl)butylcarboxamido)-benzeneselenenic acid 14.



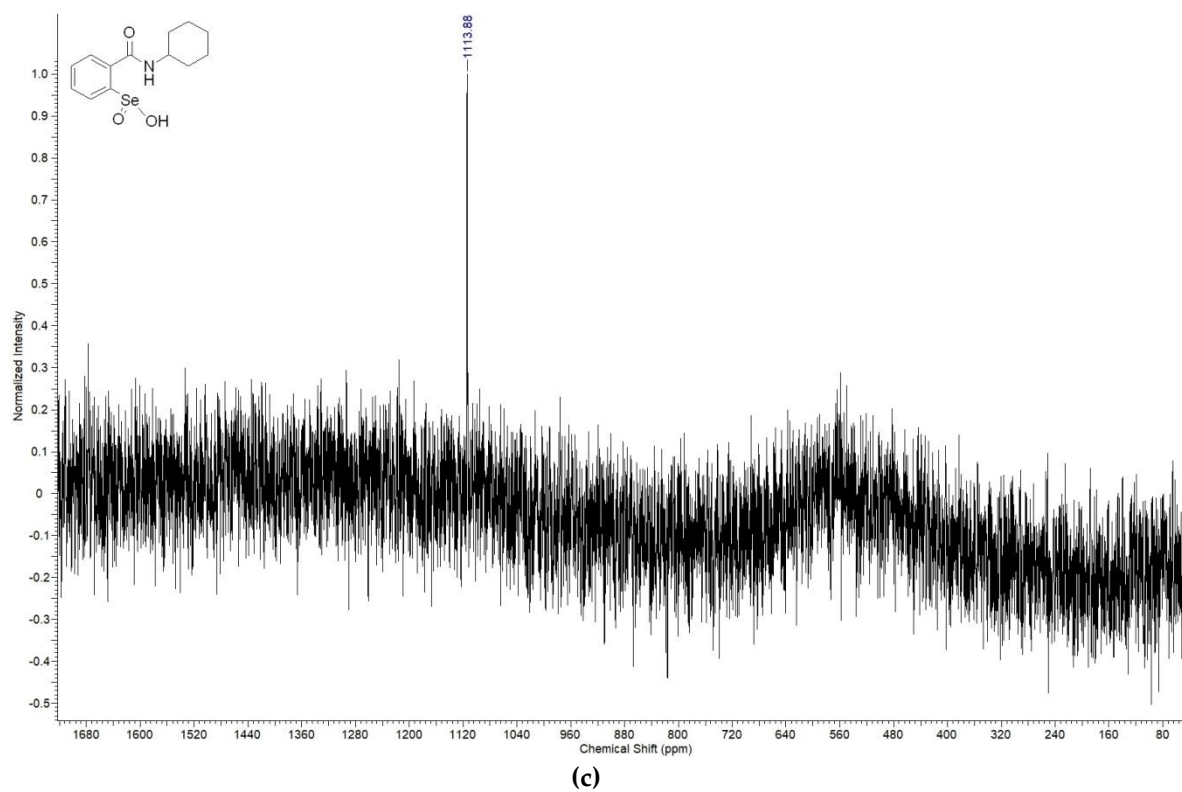
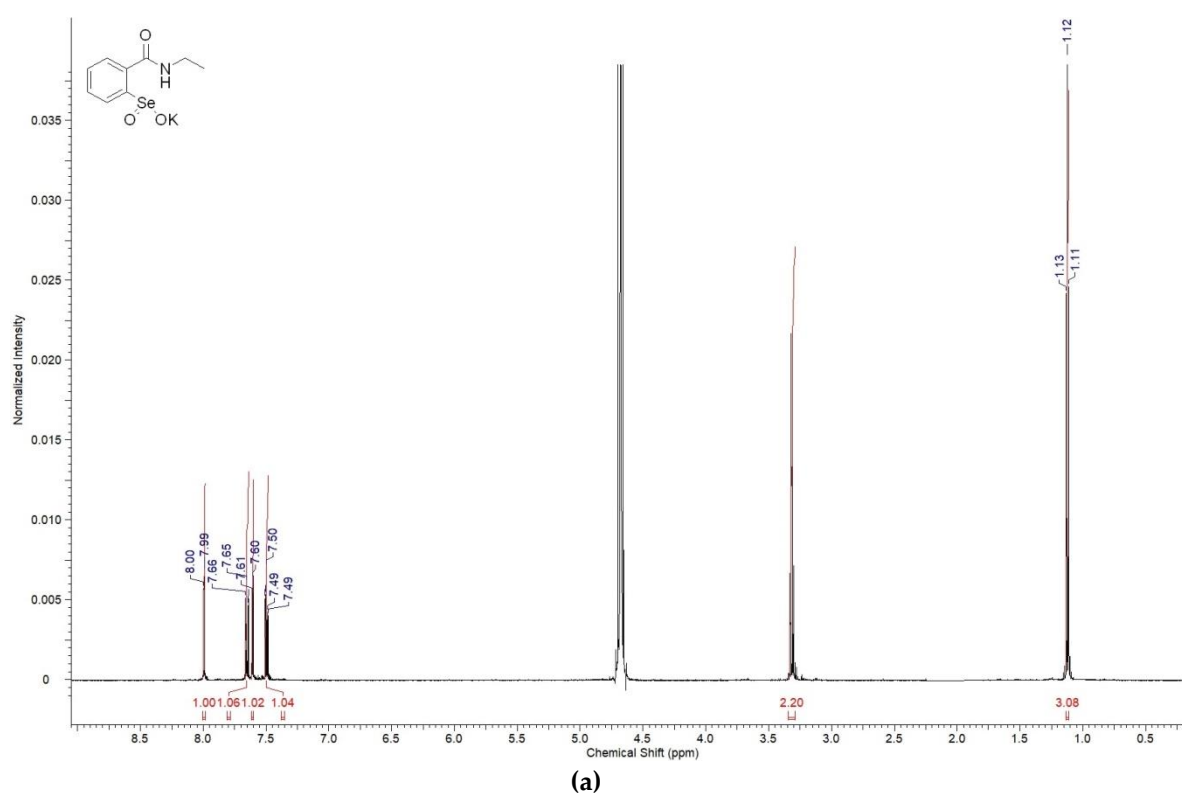
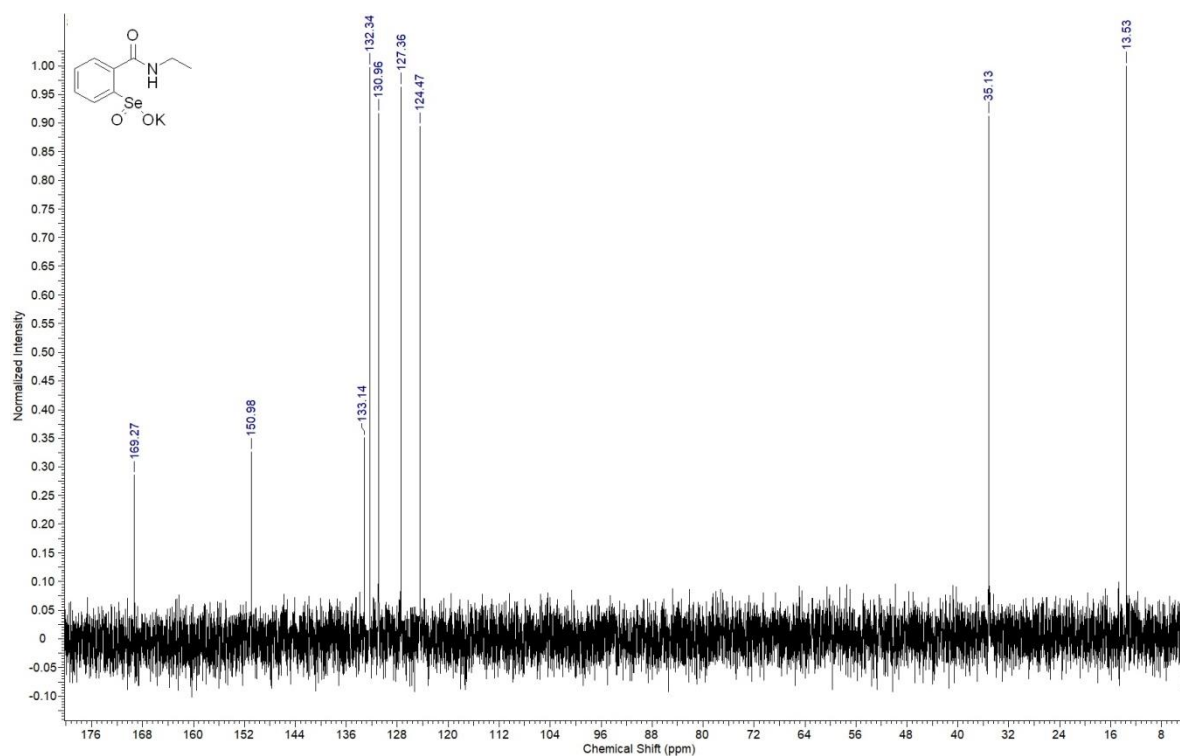
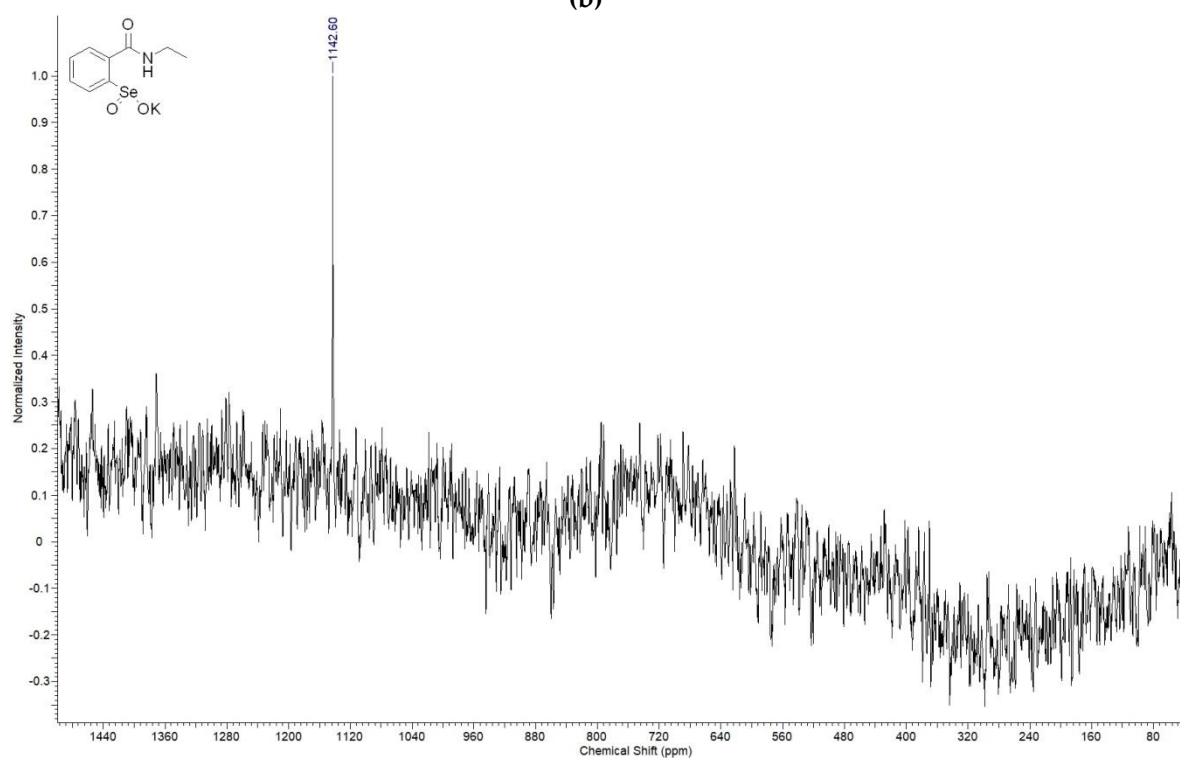


Figure S6. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-cyclohexylcarboxamido)benzeneselenenic acid 15.



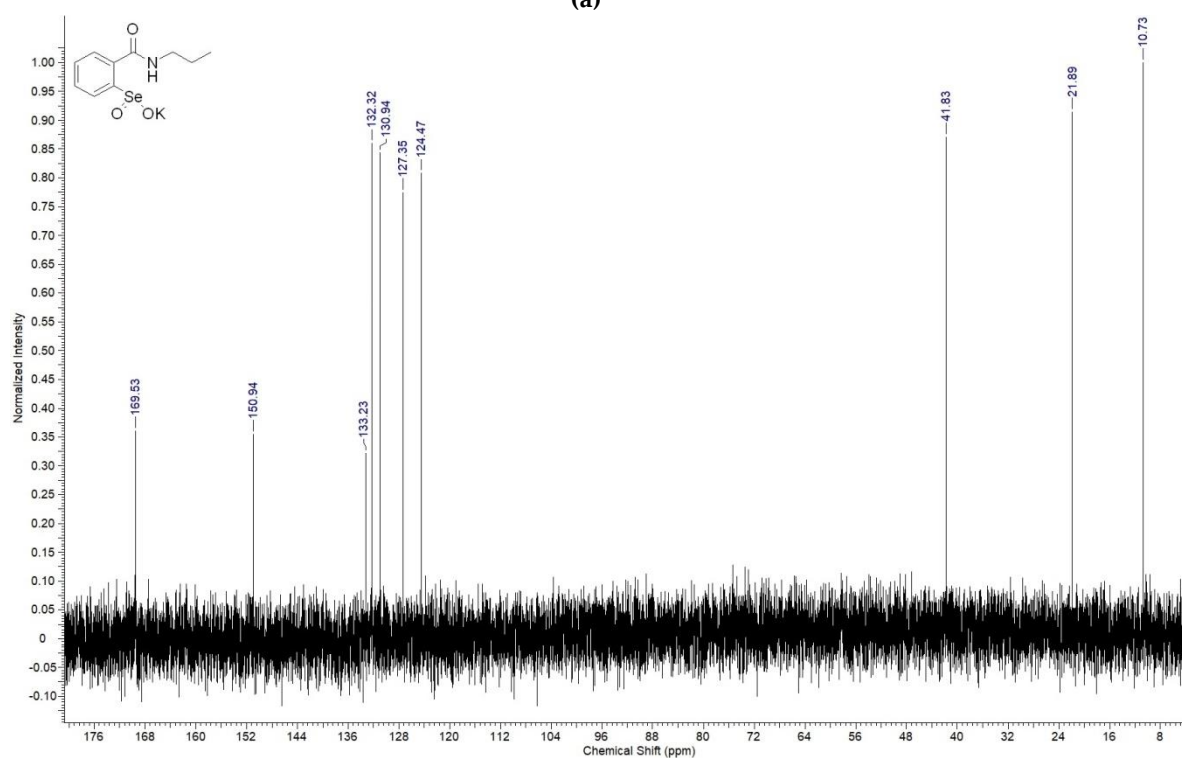
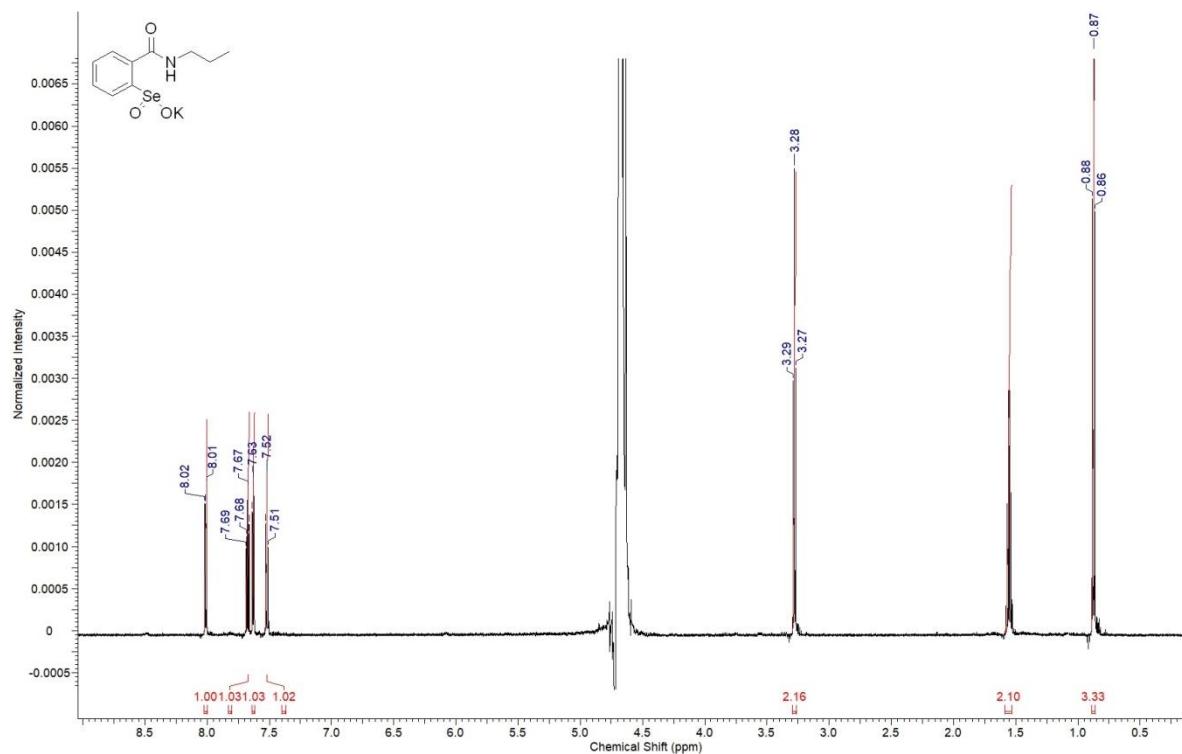


(b)



(c)

Figure S7. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-ethylcarboxyamido)-benzeneselenenic acid potassium salt 16.



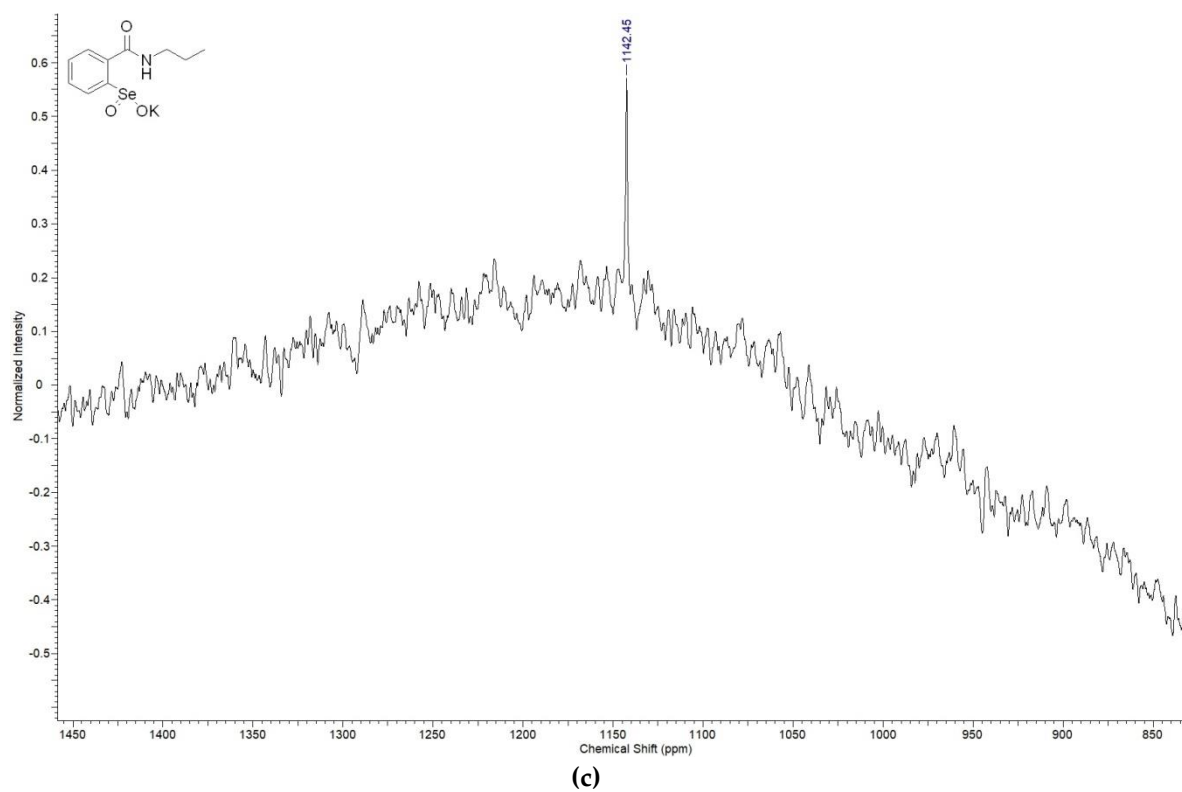
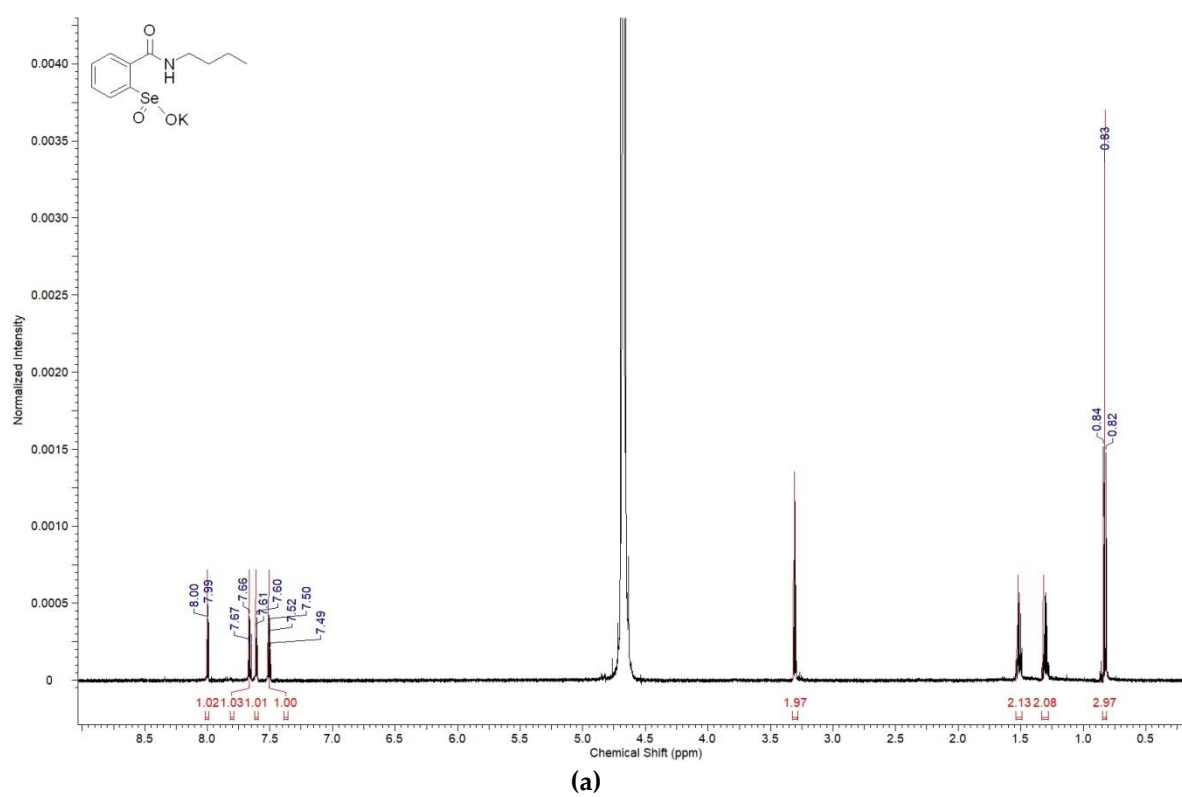
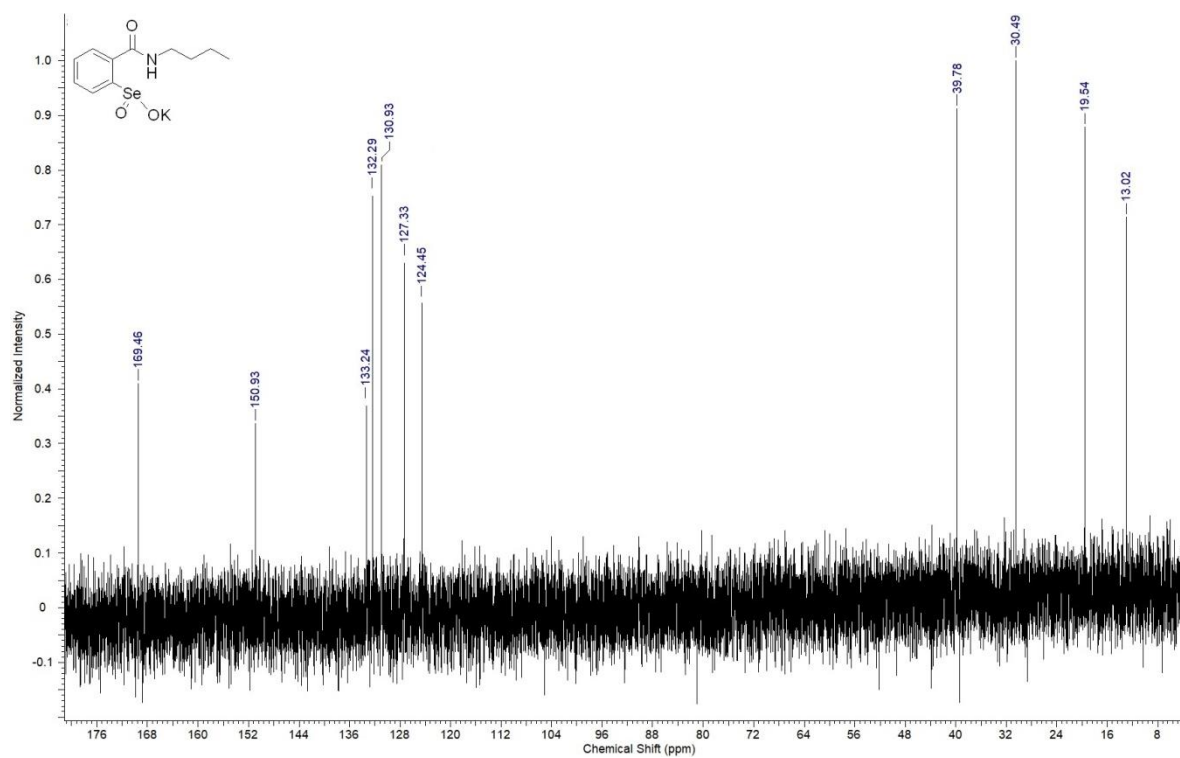
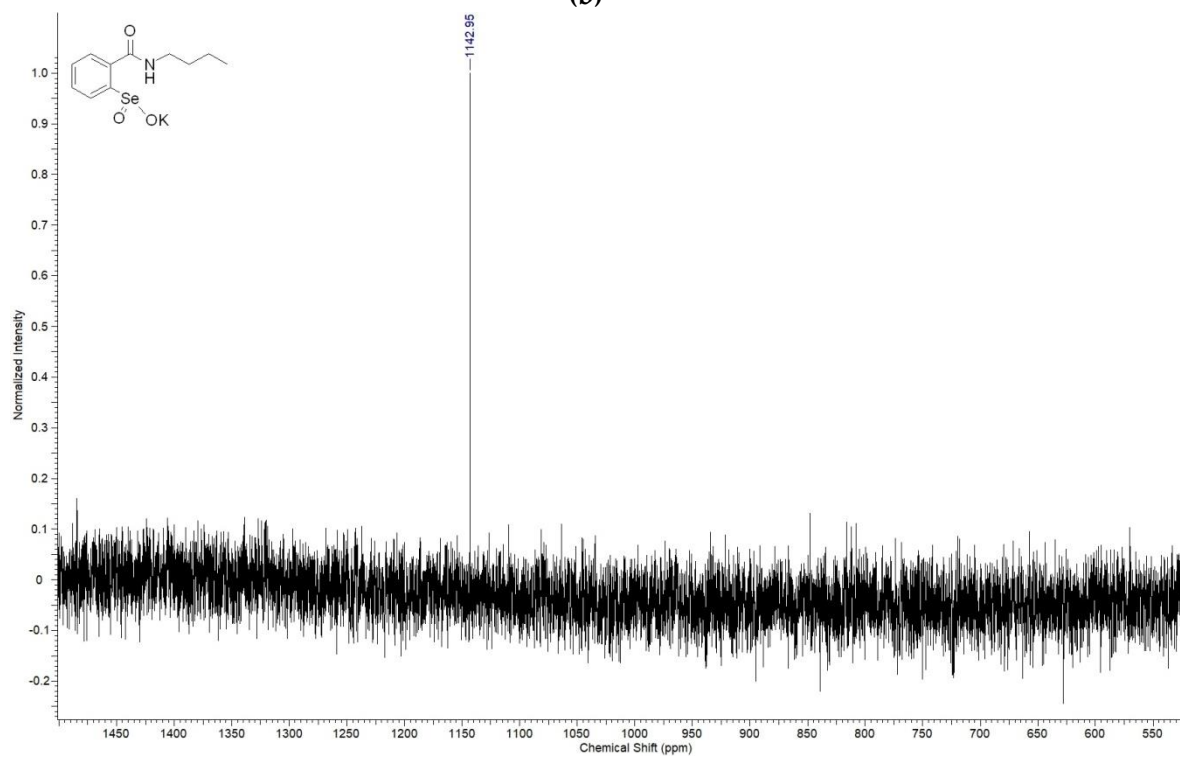


Figure S8. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-propylcarboxamido)benzeneselenenic acid potassium salt 17.



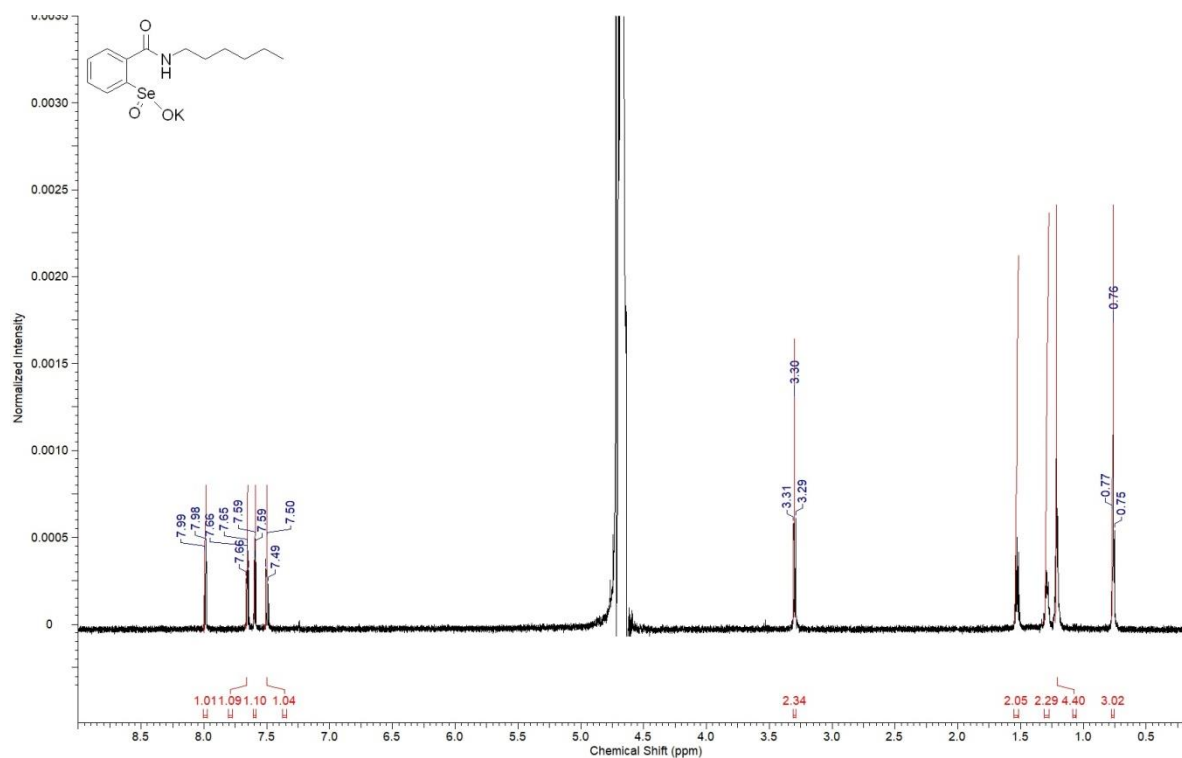


(b)

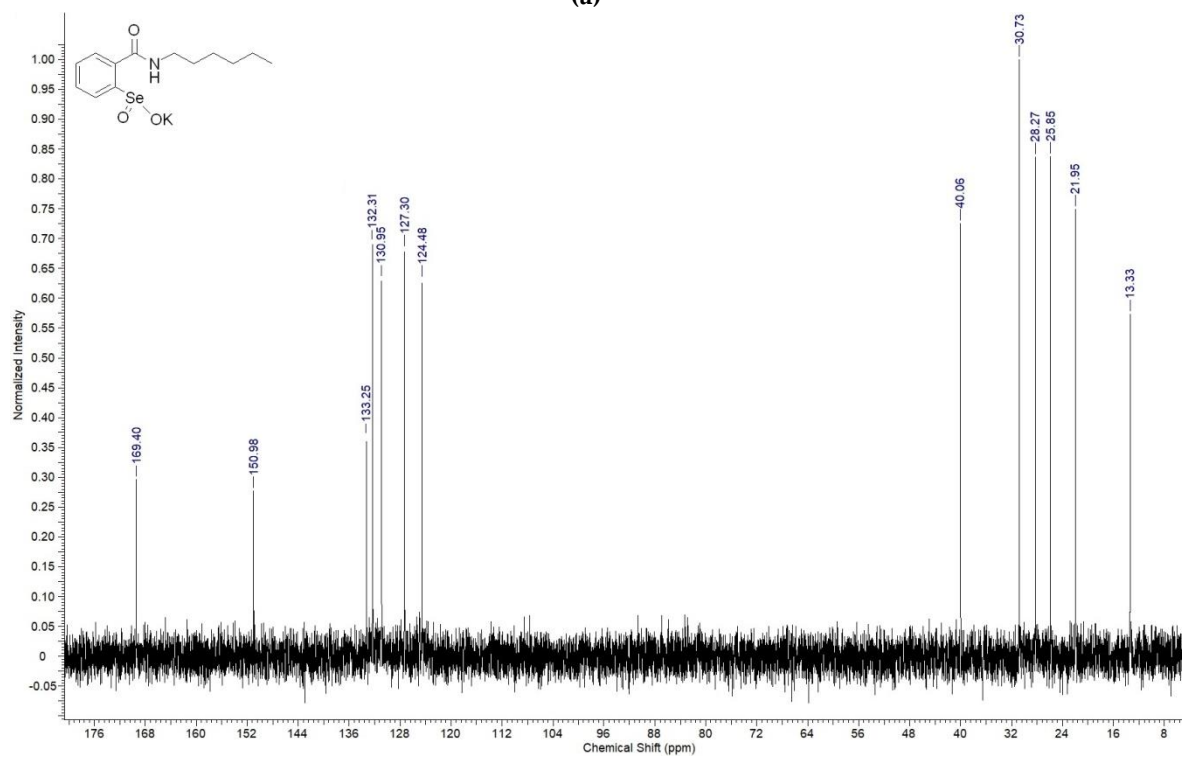


(c)

Figure S9. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-butylcarboxamido)-benzeneselenenic acid potassium salt 18.



(a)



(b)

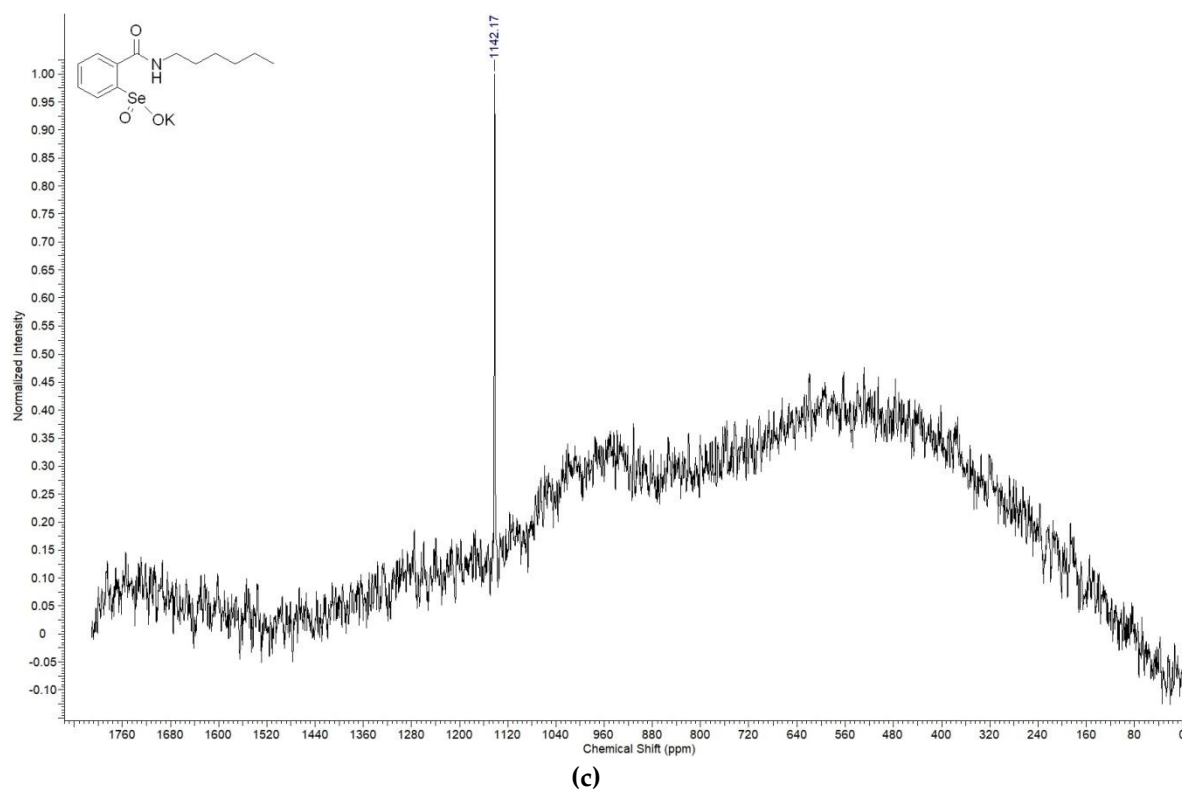
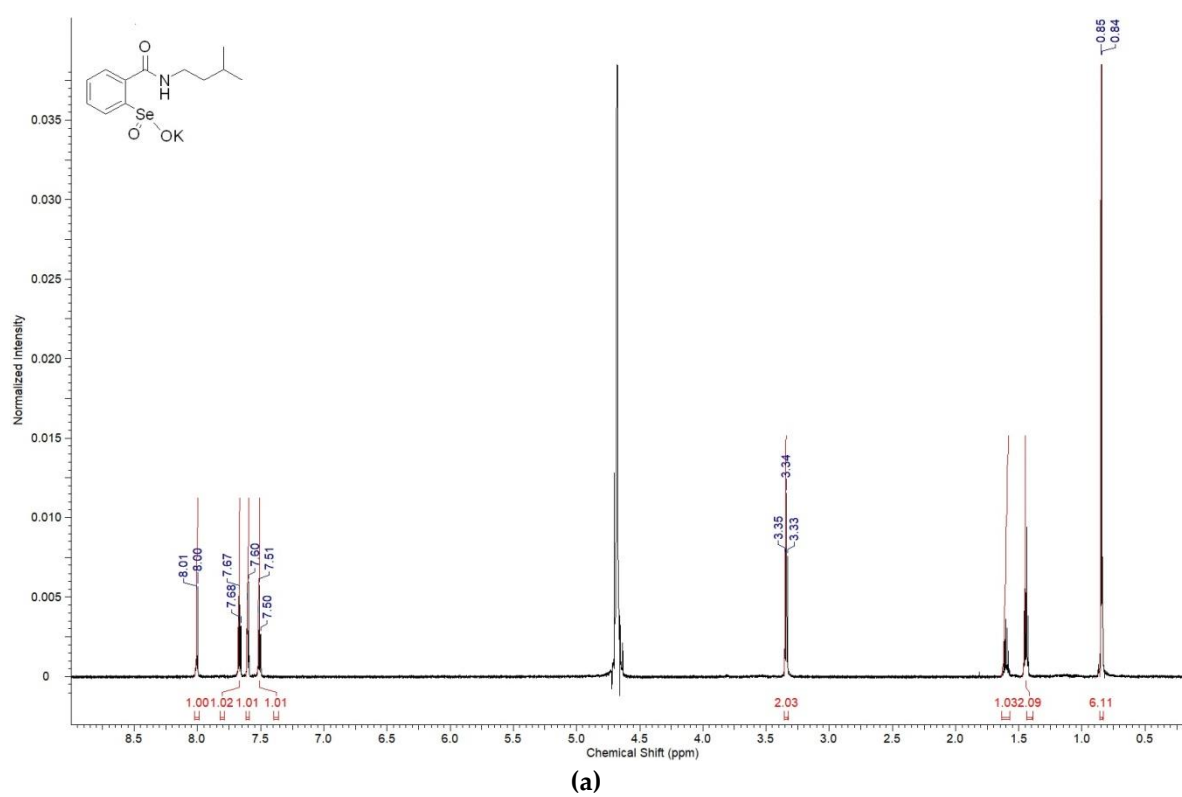
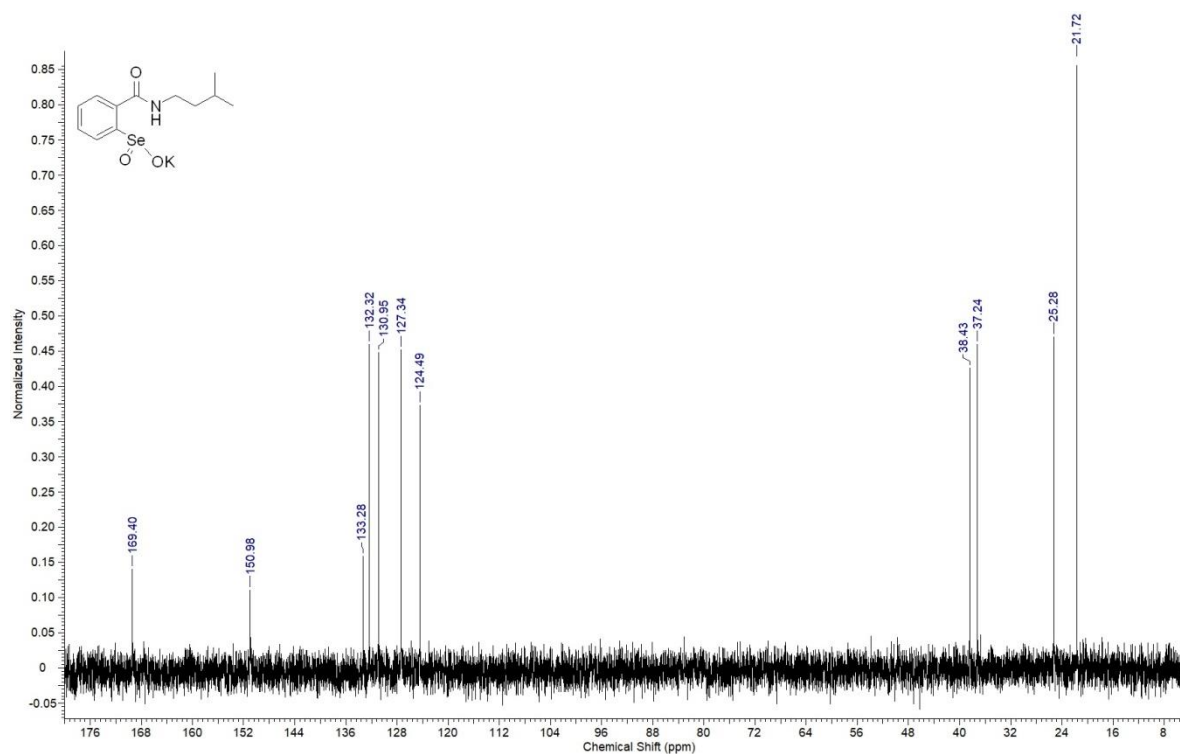
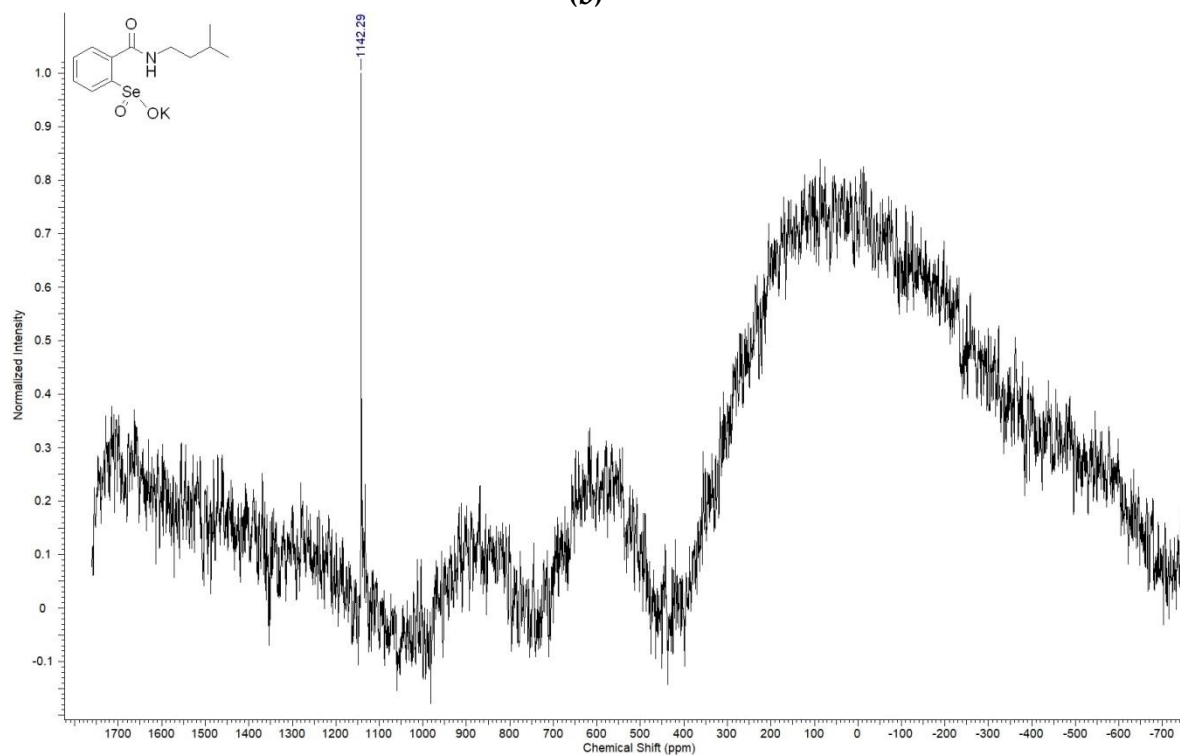


Figure S10. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 22-(N-hexylcarboxamido)-benzeneselenenic acid potassium salt 19.



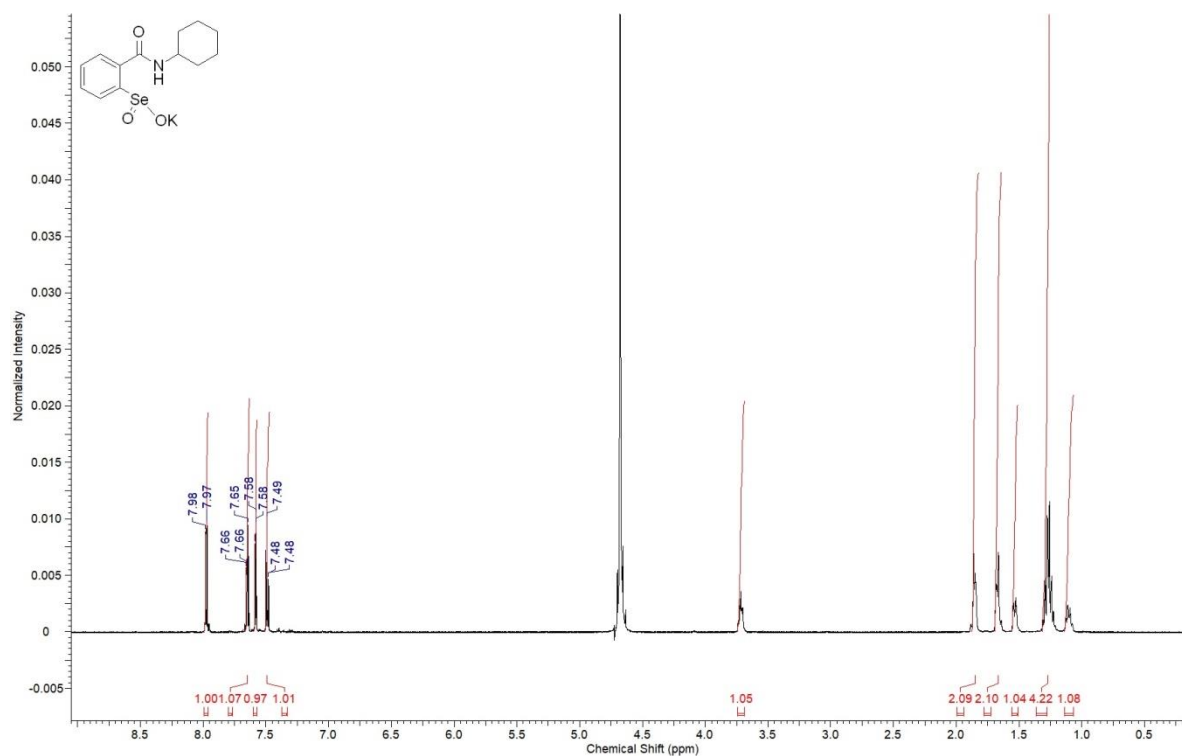


(b)

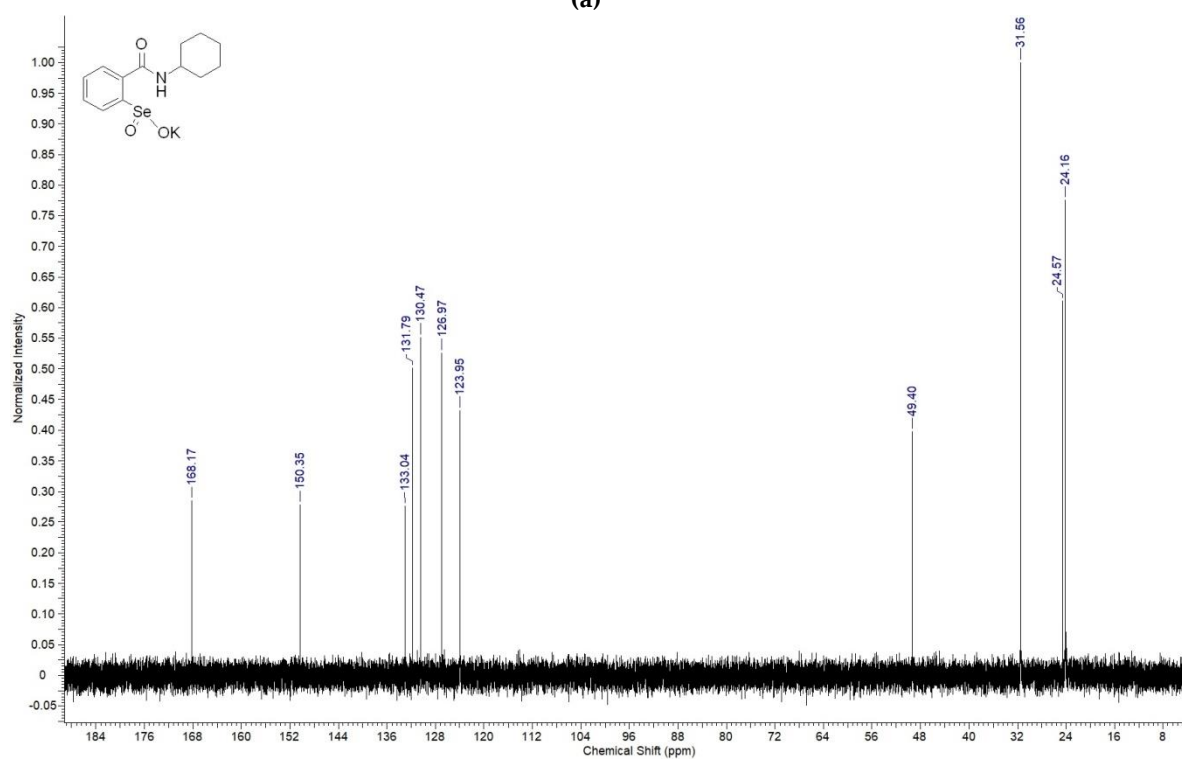


(c)

Figure S11. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-(3-methyl)butylcarboxamido)benzeneselenenic acid potassium salt 20.



(a)



(b)

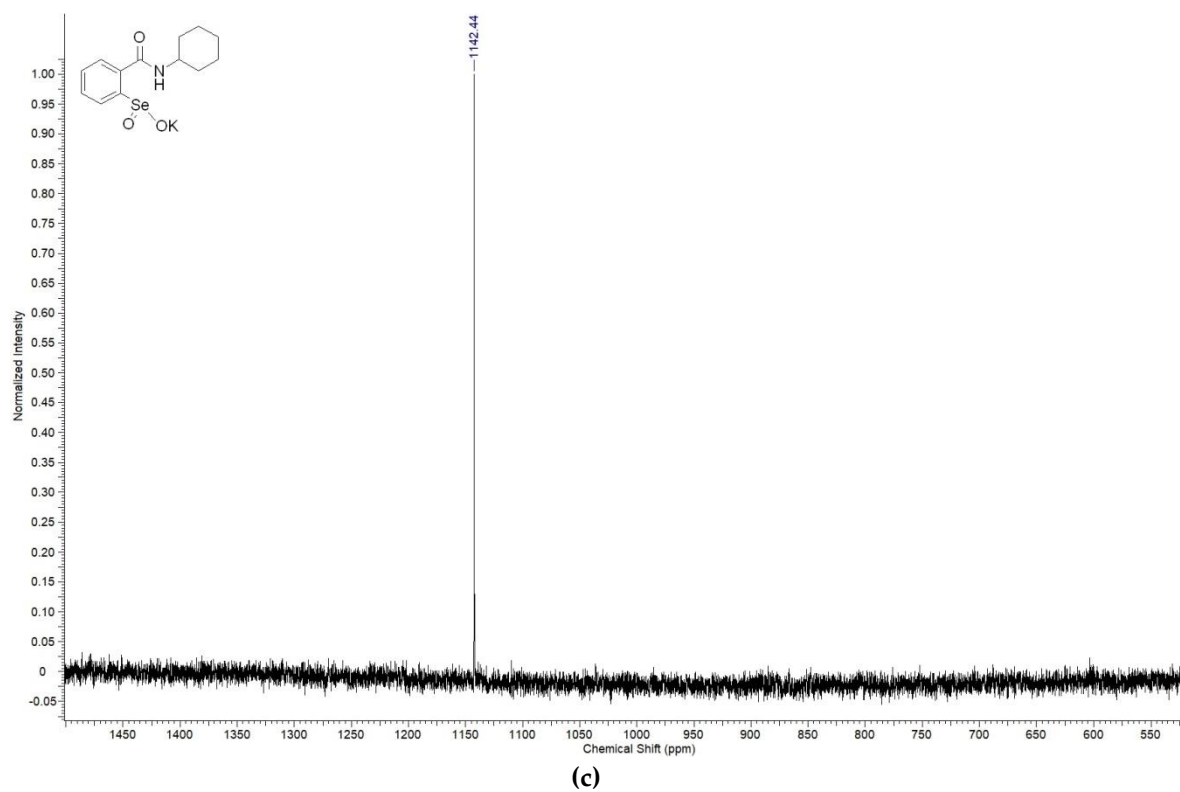


Figure S12. (a) ^1H NMR, (b) ^{13}C NMR, and (c) ^{77}Se NMR spectra of 2-(N-cyclohexylcarboxamido)benzeneselenenic acid potassium salt 21.



© 2020 by the authors. Submitted for possible open access publication under the terms and conditions of the Creative Commons Attribution (CC BY) license (<http://creativecommons.org/licenses/by/4.0/>).