Supplementary Information for

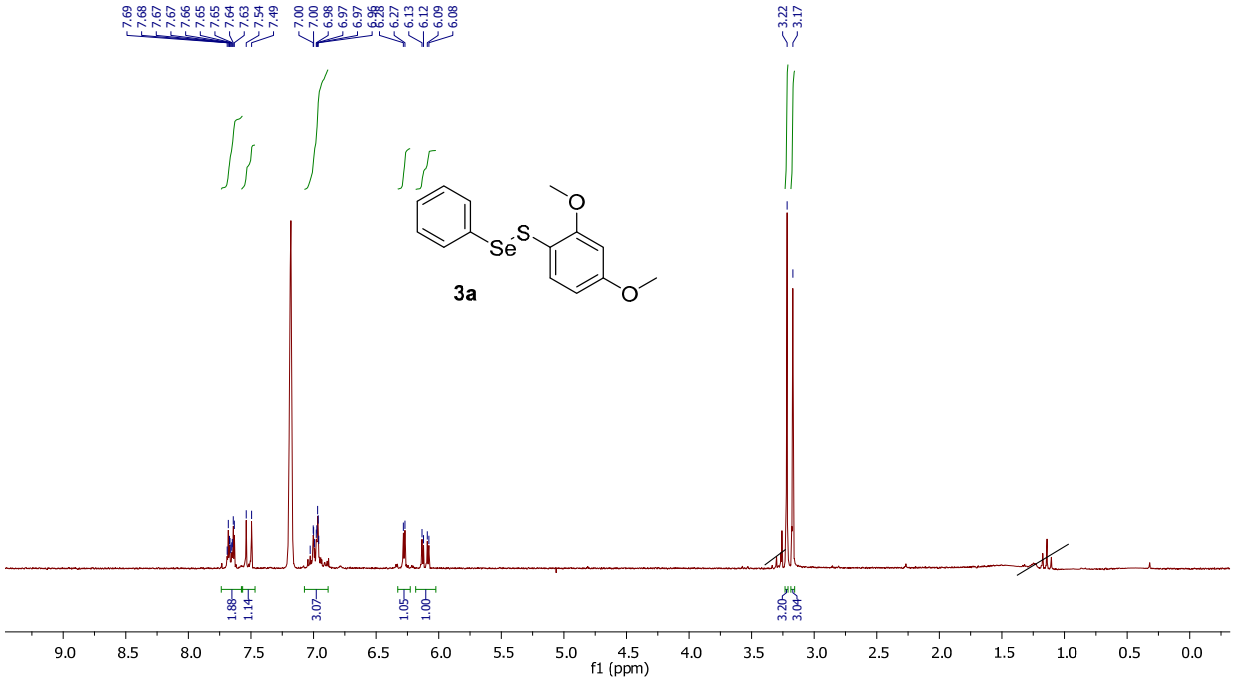
Towards new catalytic antioxidants: A simple and mild synthesis of selenylsulfides

Damiano Tanini*, Chiara Bonardi, Caterina Viglianisi, Antonella Capperucci, Stefano Menichetti*

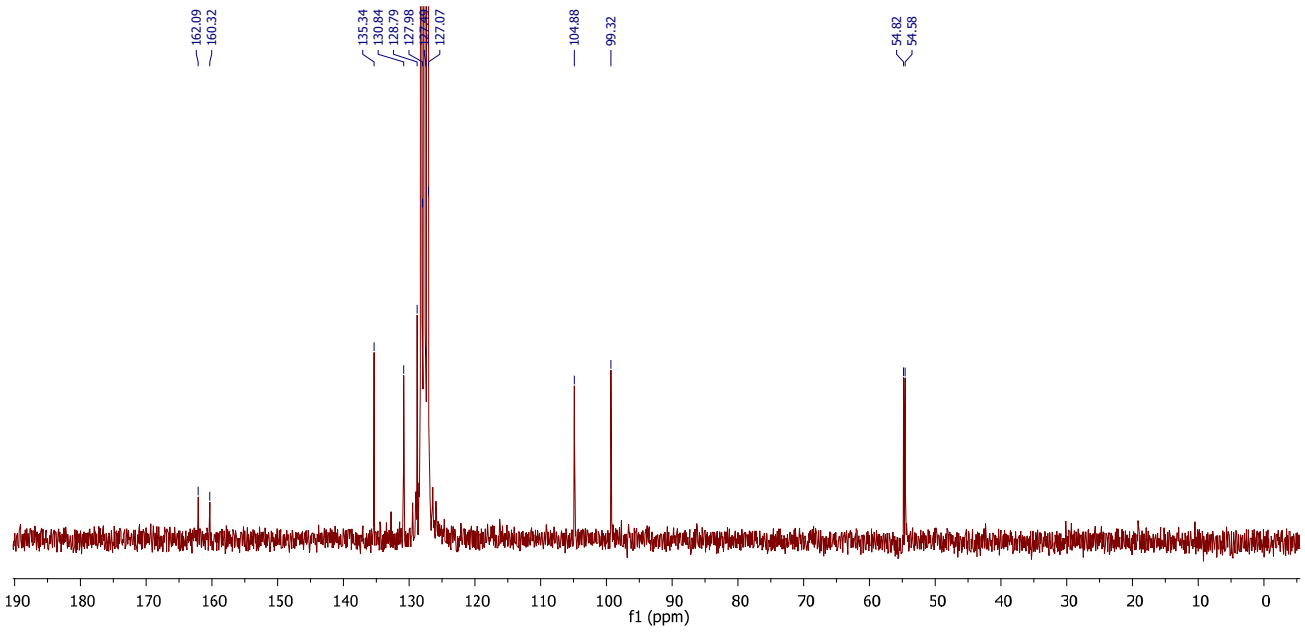
Dipartimento di Chimica "Ugo Schiff", Università di Firenze, Via della Lastruccia 3-13, 50019 Sesto Fiorentino, Italy. Email: damiano.tanini@unifi.it (D.T.); Stefano.menichetti.@unifi.it (S. M.)

- Copy of ^{1}H, ^{13}C and ^{77}Se NMR spectra of selected compounds

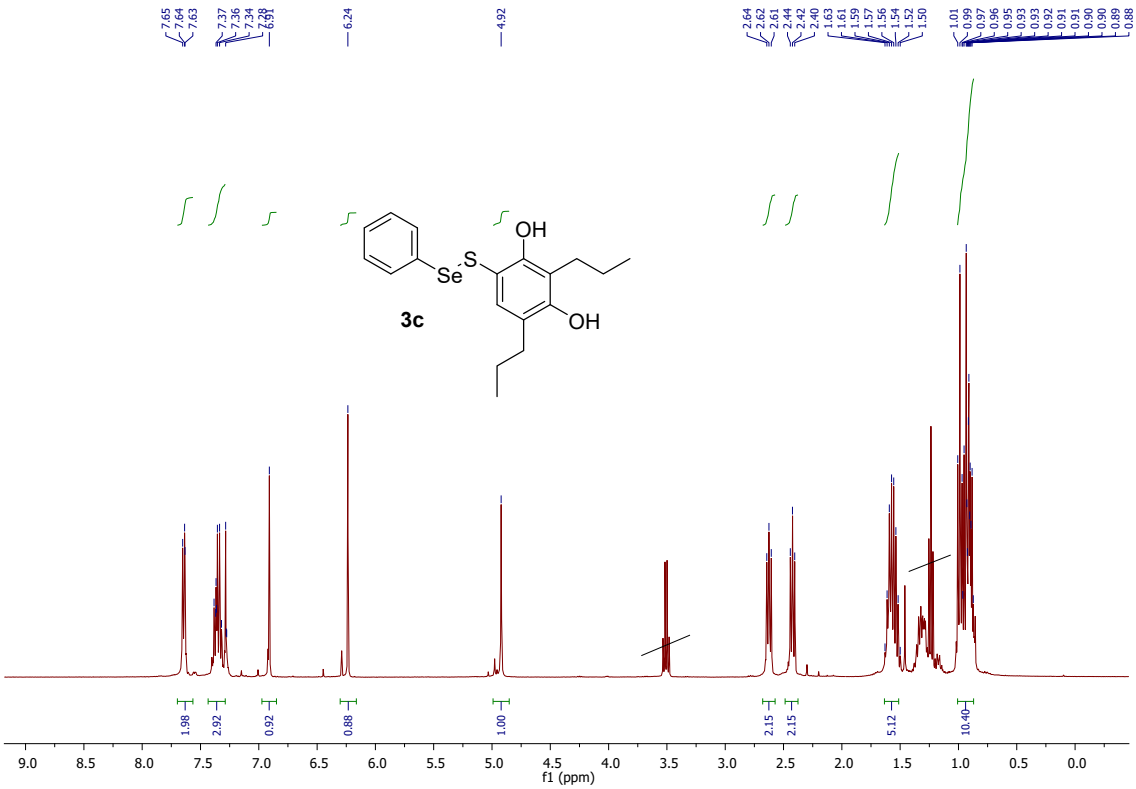
^{1}H NMR (200 MHz, C_6D_6) of compound **3a**



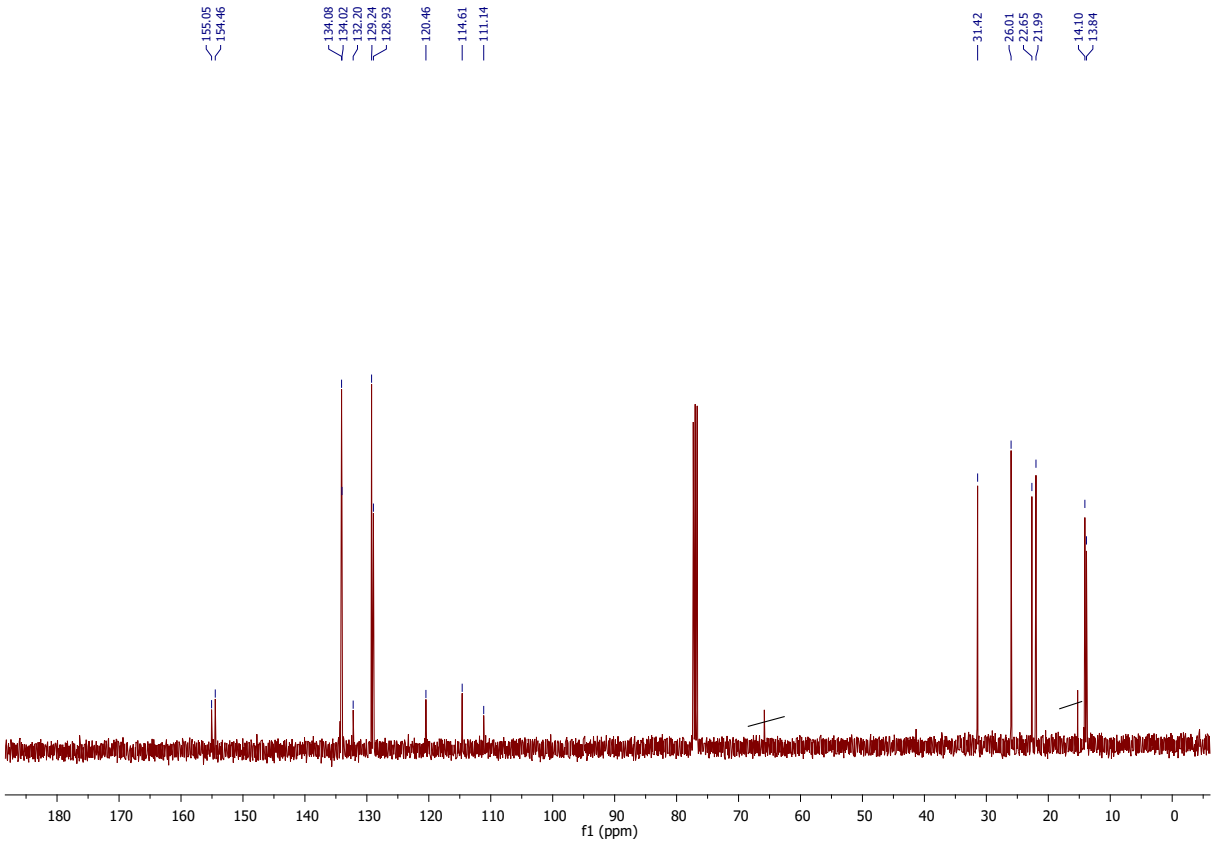
^{13}C NMR (50 MHz, C_6D_6) of compound **3a**



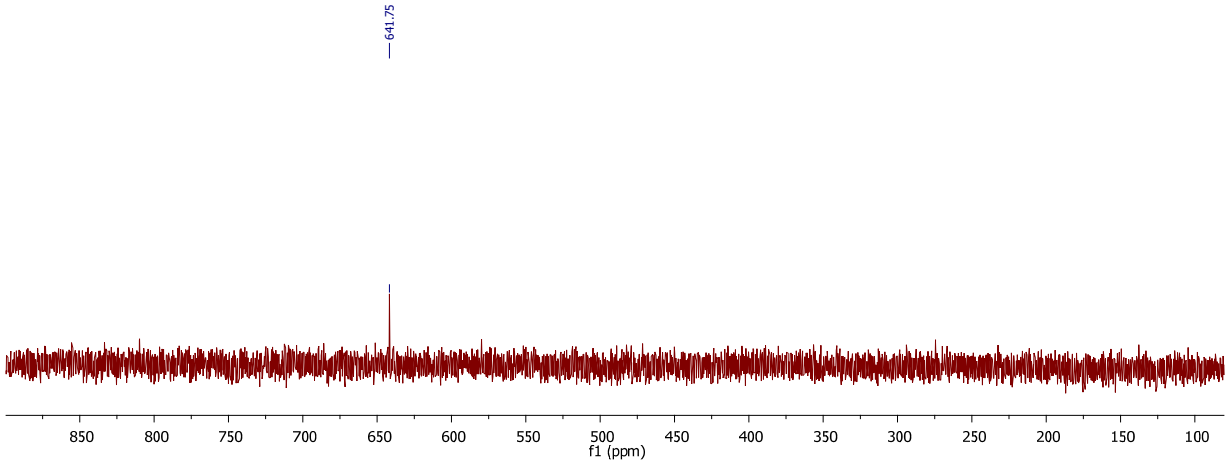
^{1}H NMR (400 MHz, $CDCl_3$) of compound **3c**



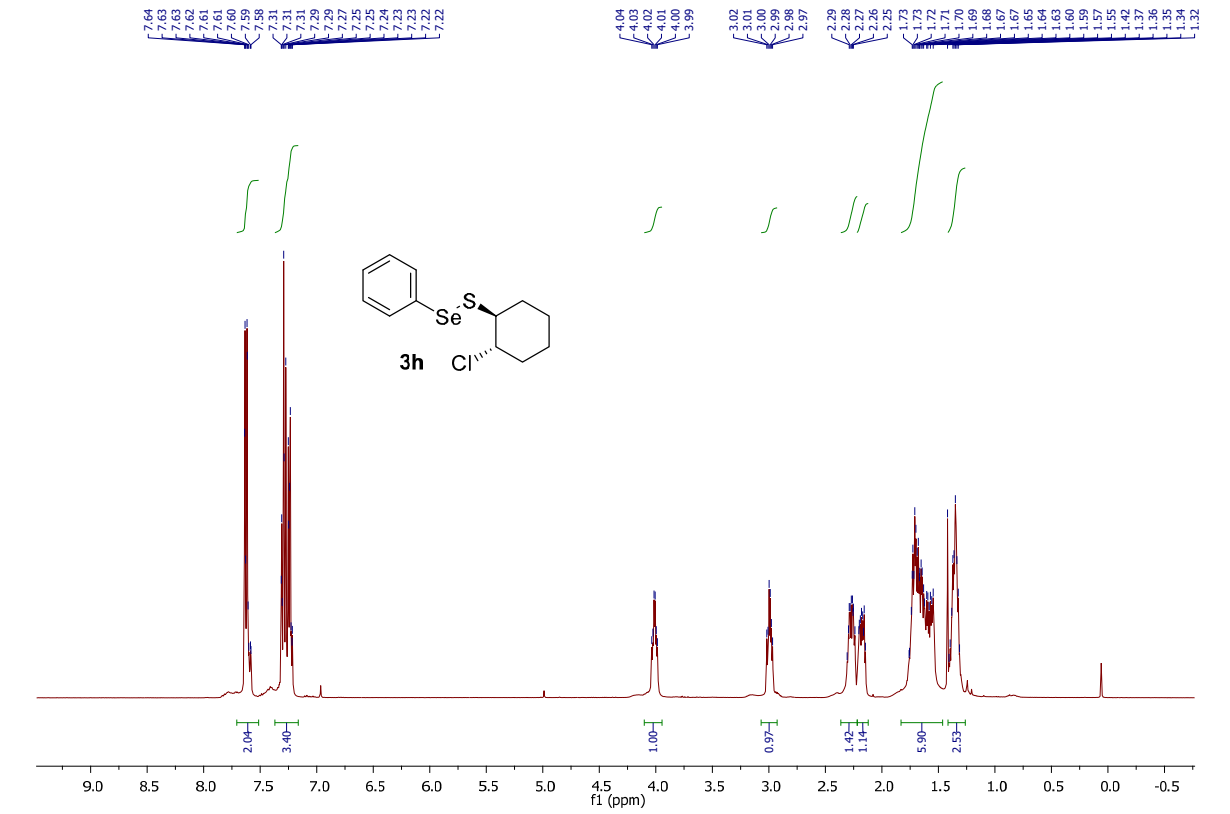
^{13}C NMR (100 MHz, $CDCl_3$) of compound **3c**



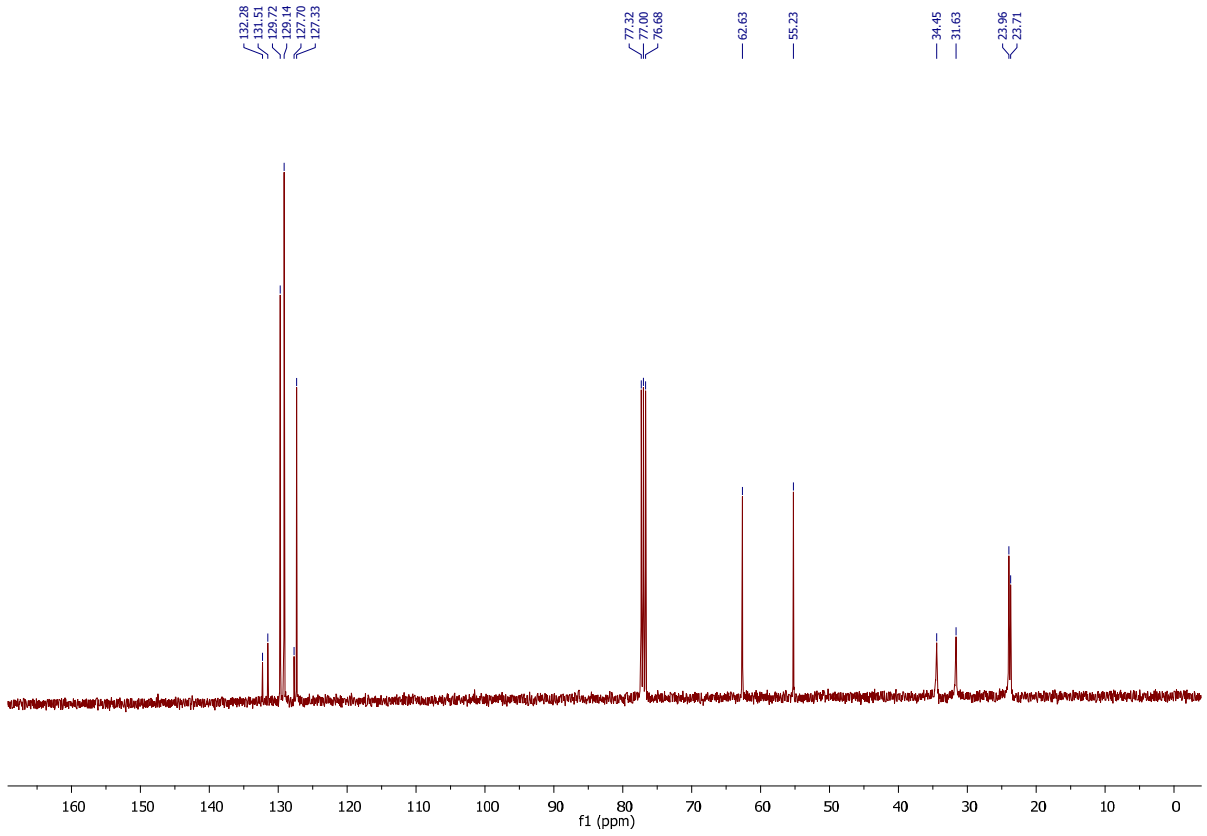
^{77}Se NMR (76 MHz, $CDCl_3$) of compound **3c**



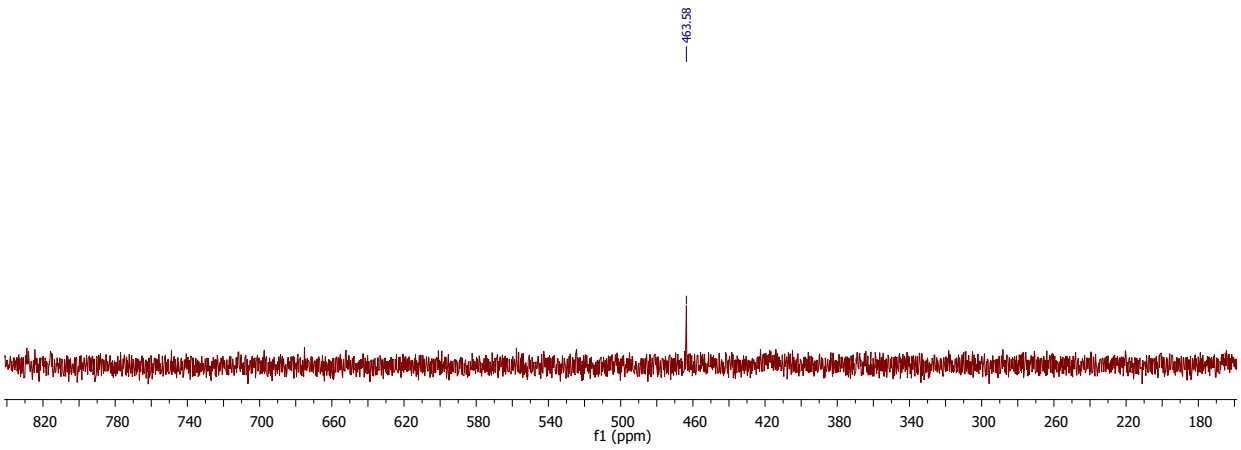
^{1}H NMR (400 MHz, $CDCl_3$) of compound **3h**



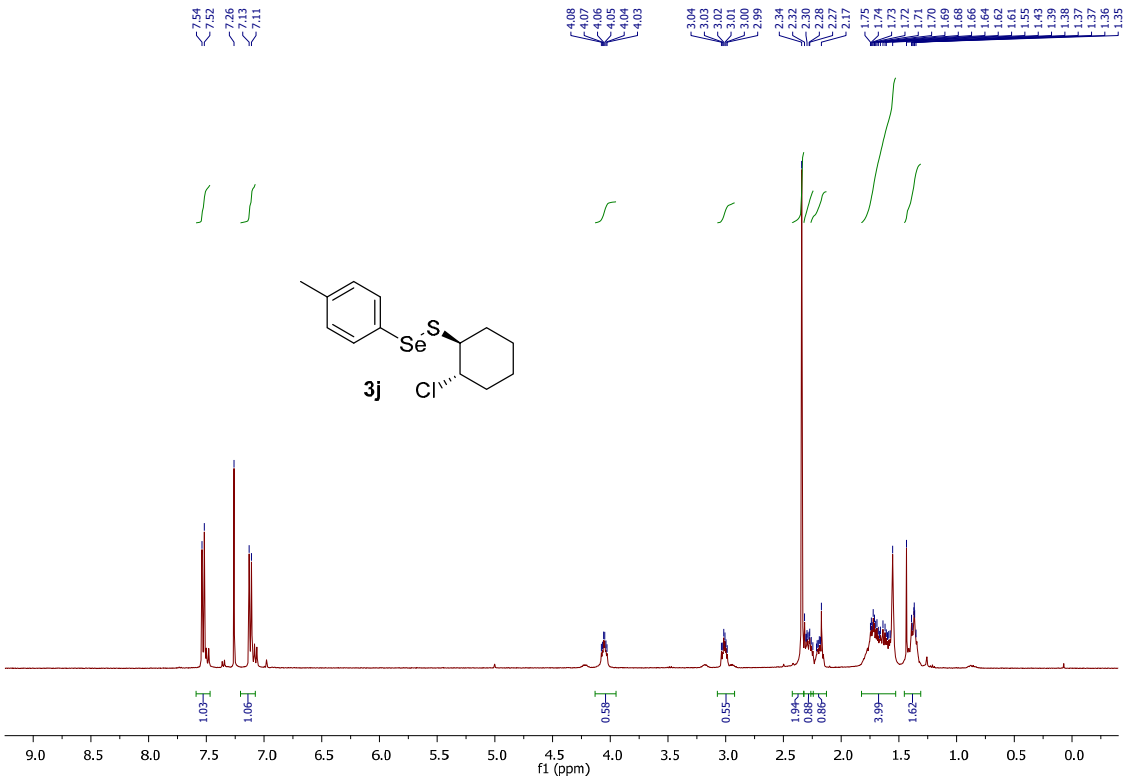
^{13}C NMR (100 MHz, $CDCl_3$) of compound **3h**



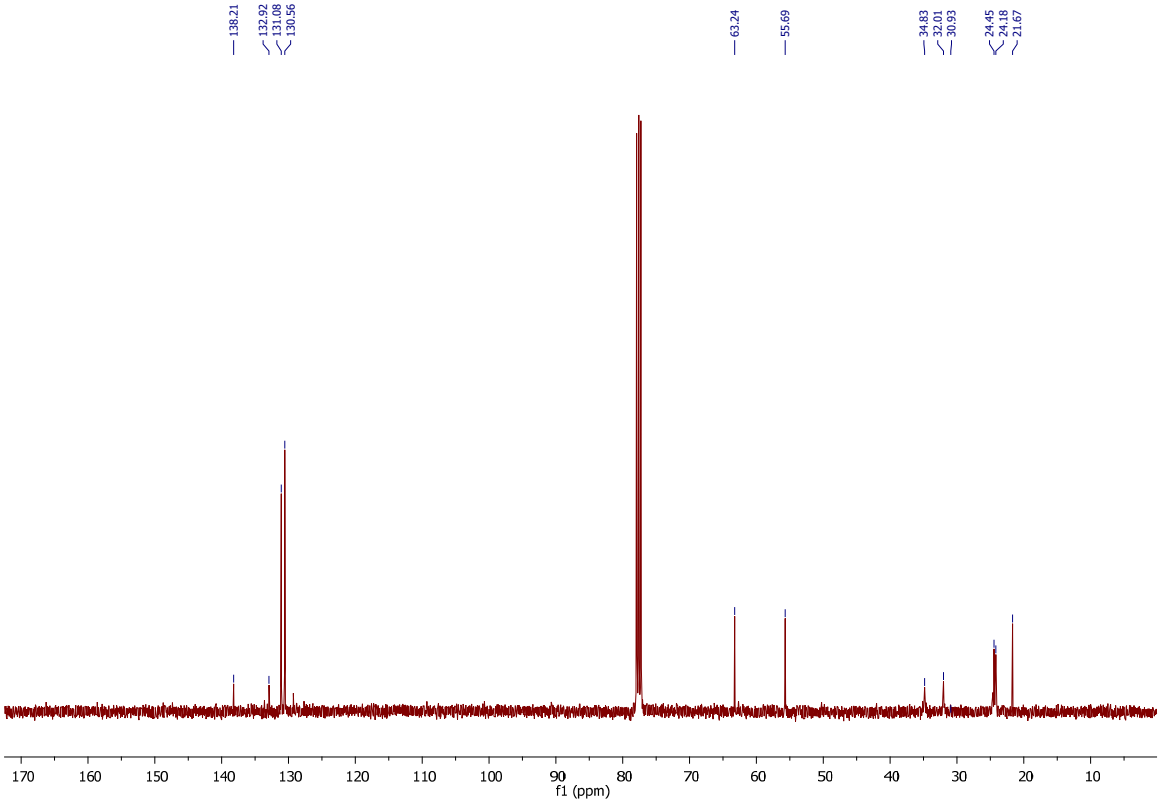
^{77}Se NMR (76 MHz, $CDCl_3$) of compound **3h**



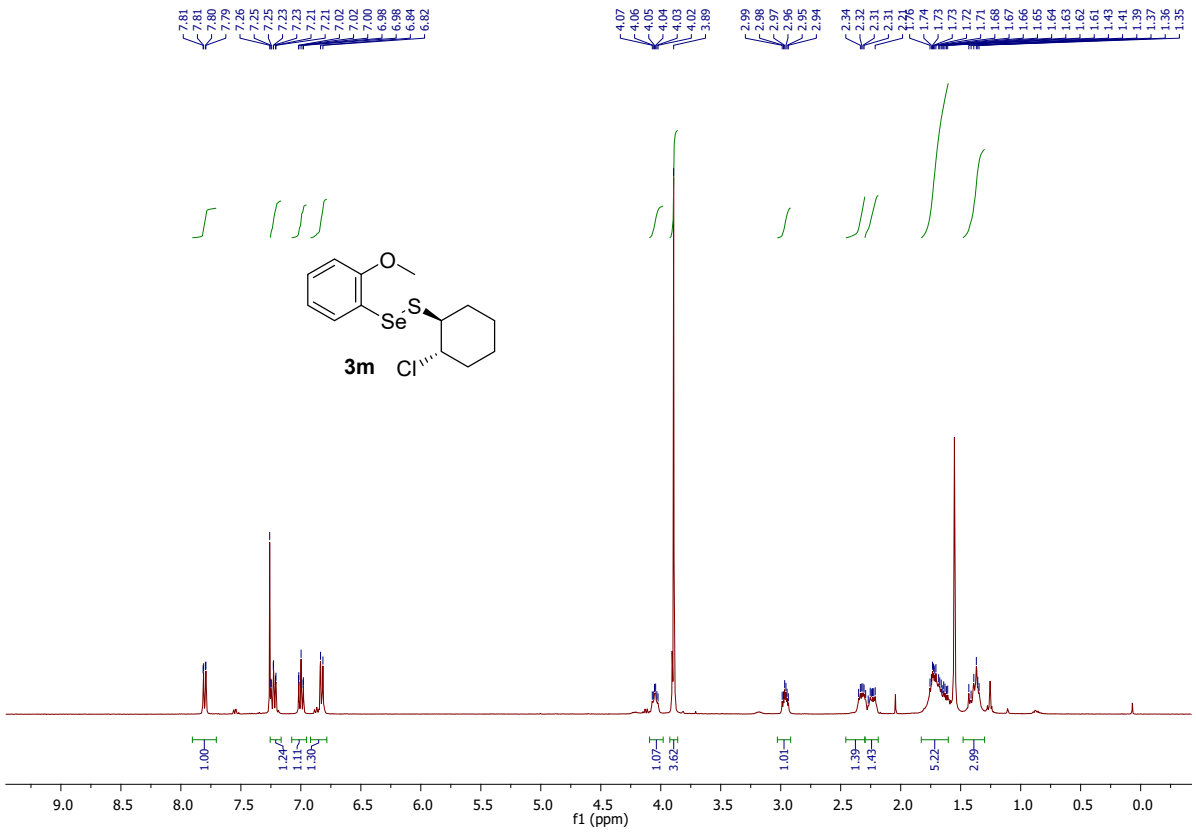
^{1}H NMR (400 MHz, $CDCl_3$) of compound **3j**



^{13}C NMR (100 MHz, $CDCl_3$) of compound **3j**



^{1}H NMR (400 MHz, $CDCl_3$) of compound **3m**



^{13}C NMR (100 MHz, $CDCl_3$) of compound **3m**