

Supplementary Material

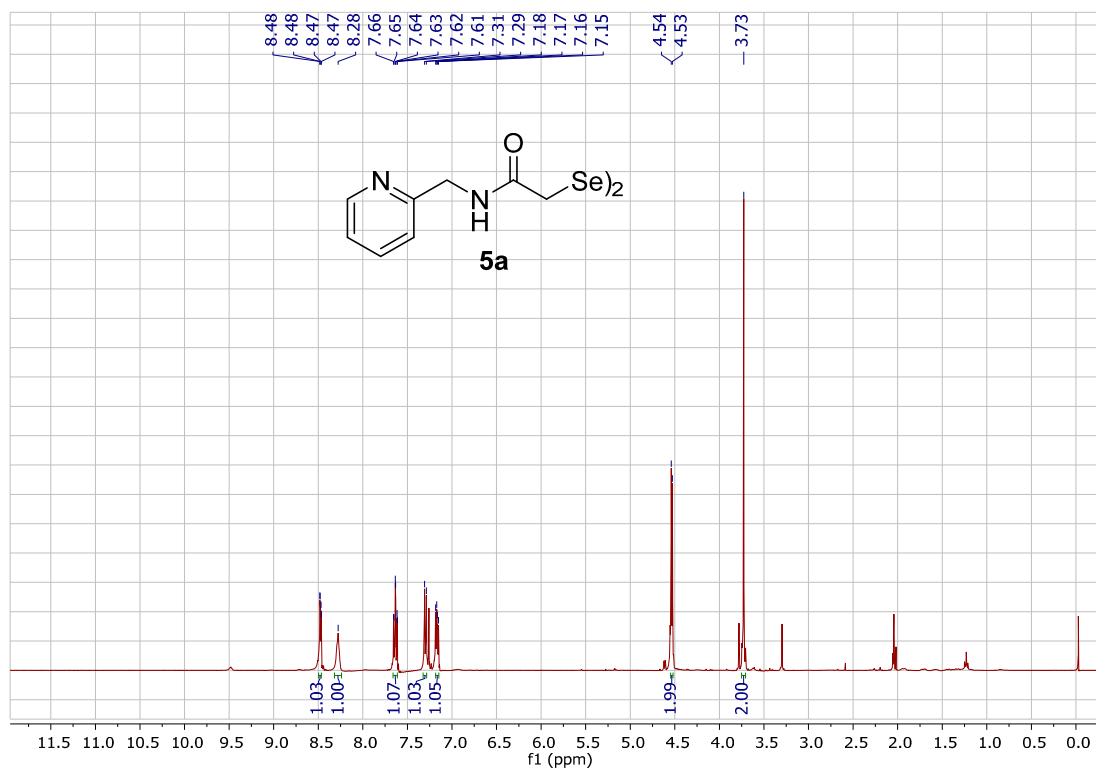


Figure S1. ^1H -NMR (400 MHz, CDCl_3) spectrum of **5a**.

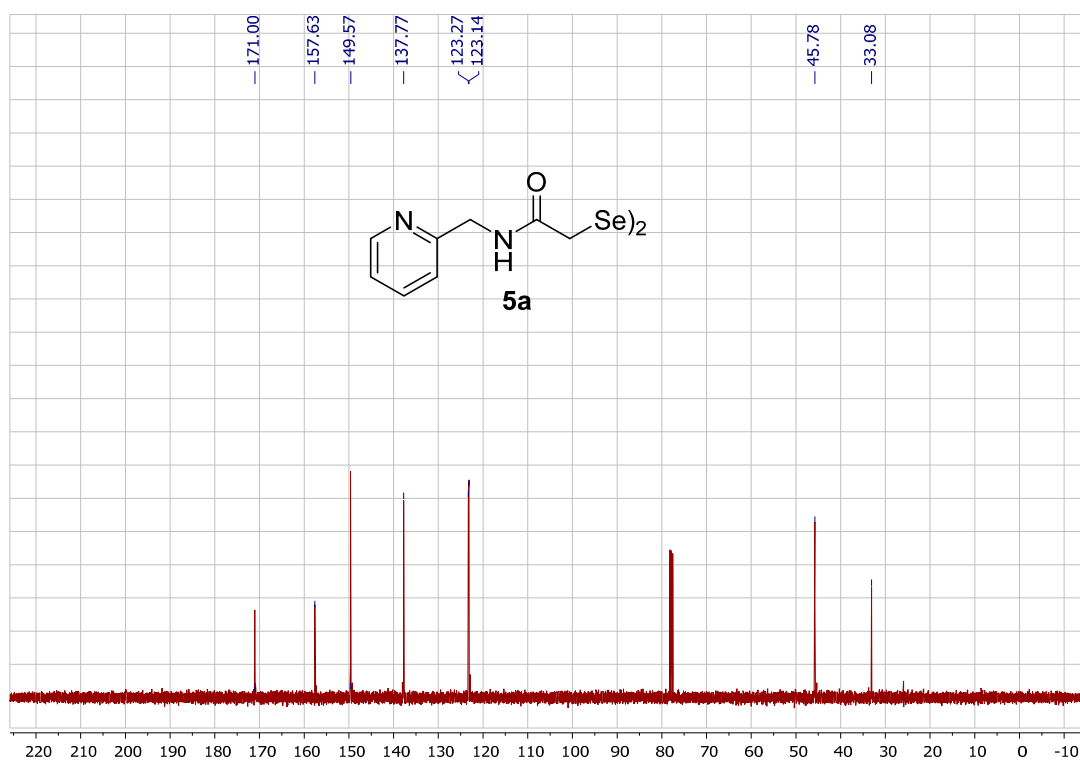


Figure S2. ^{13}C -NMR (100 MHz, CDCl_3) spectrum of **5a**.

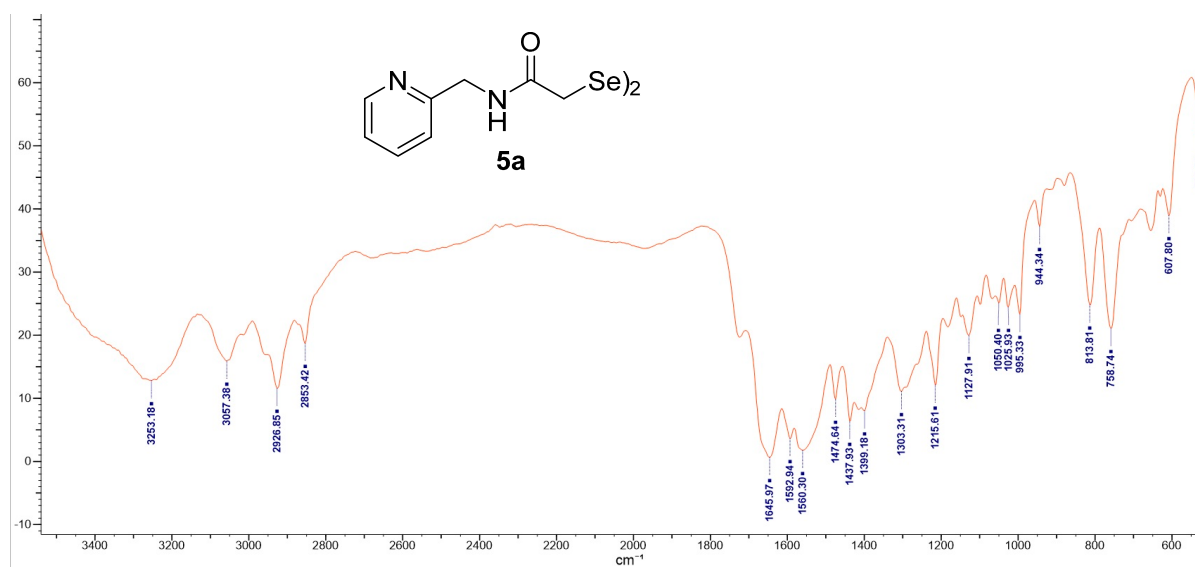


Figure S3. IR spectrum of **5a**.

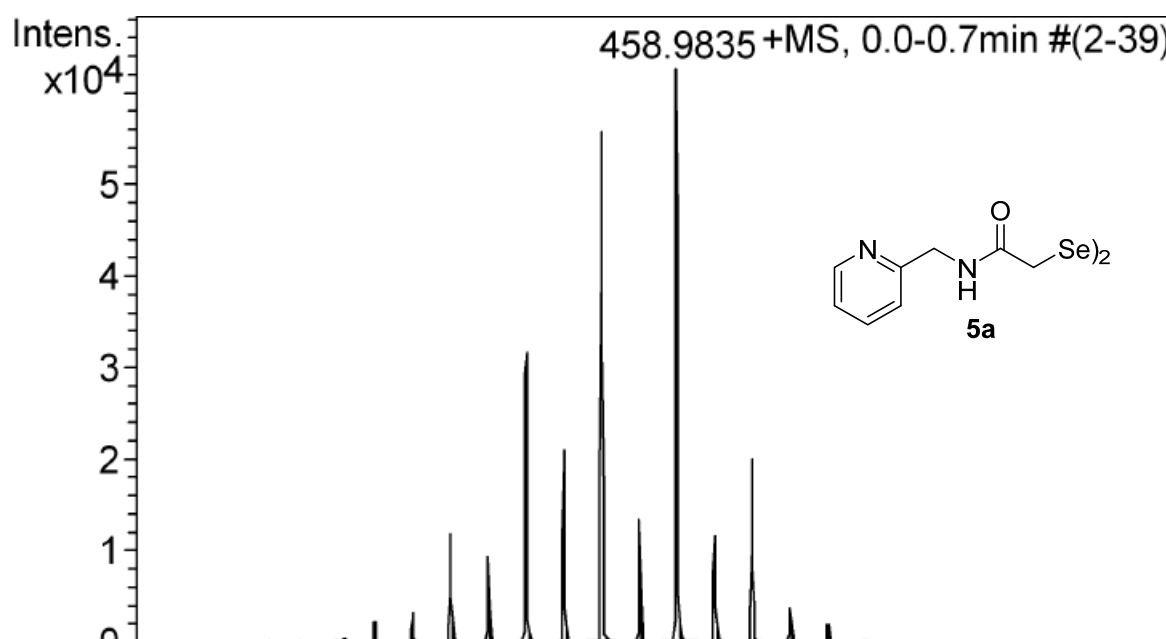


Figure S4. HRMS spectrum of **5a**.

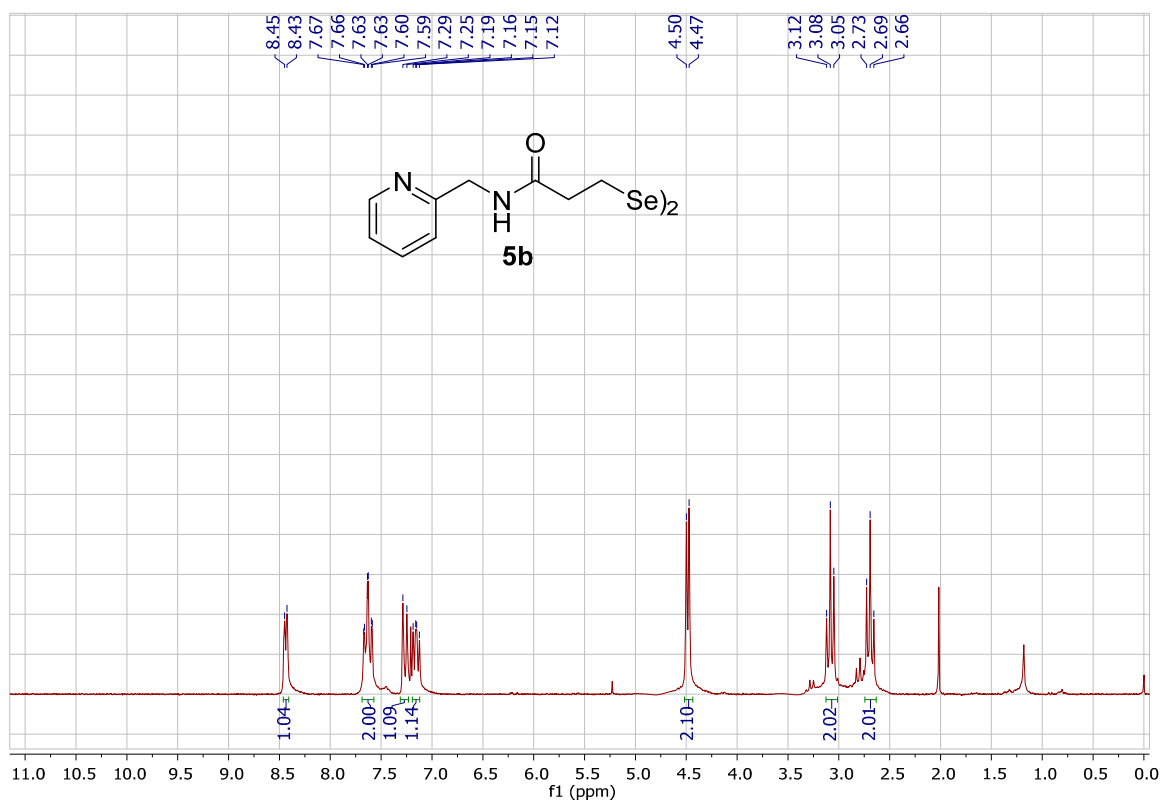


Figure S5. ¹H-NMR (200 MHz, CDCl₃) spectrum of **5b**.

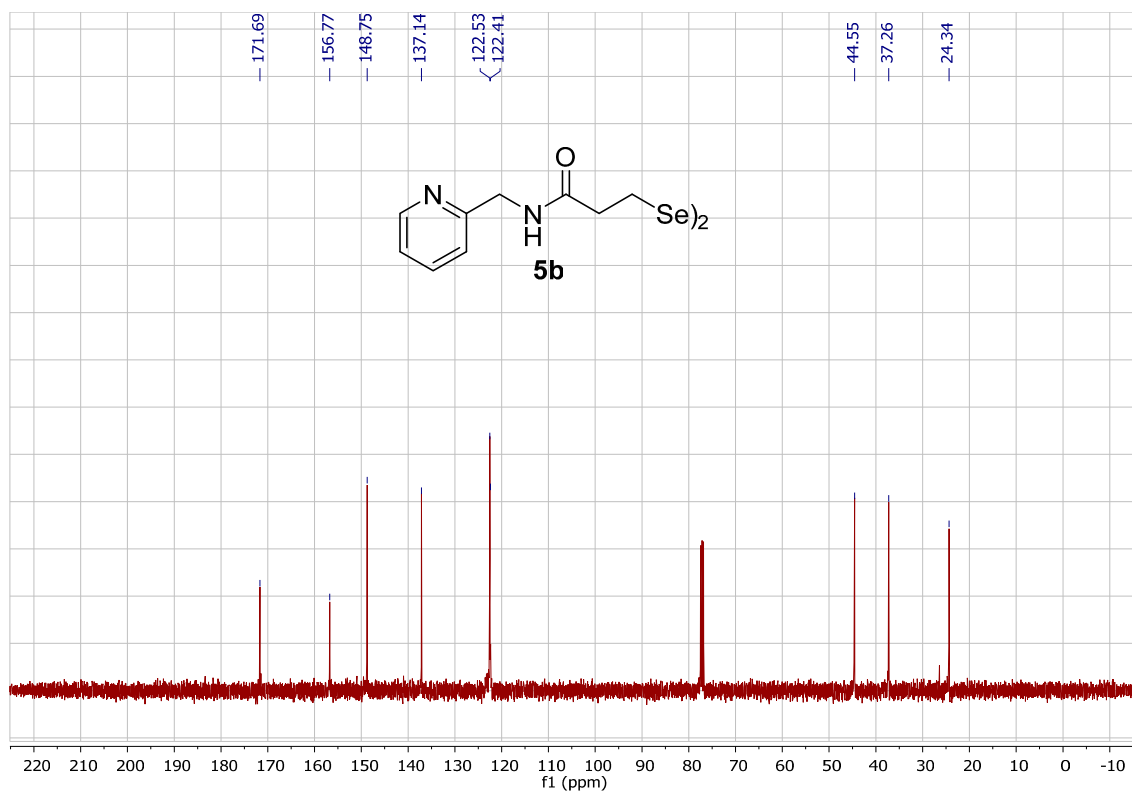


Figure S6. ¹³C-NMR (100 MHz, CDCl₃) spectrum of **5d**.

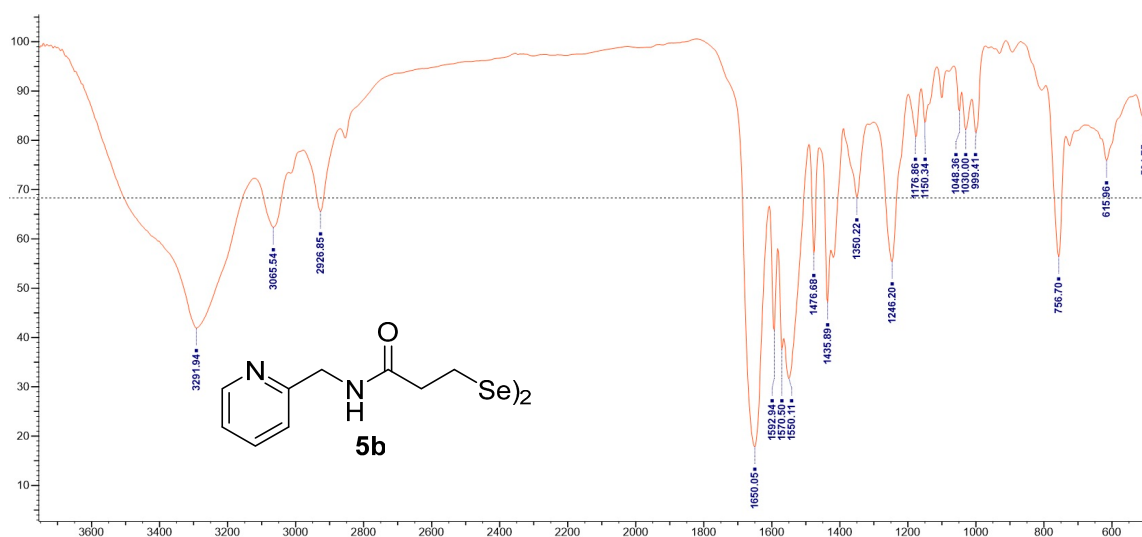


Figure S7. IR spectrum of **5b**.

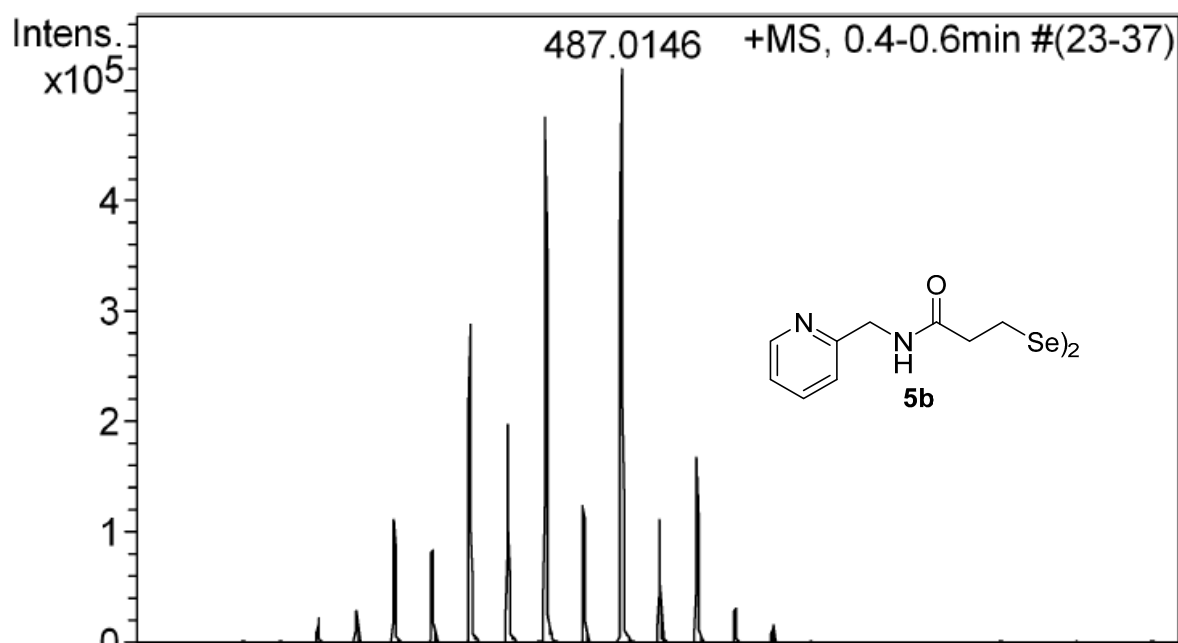


Figure S8. HRMS spectrum of **5b**.

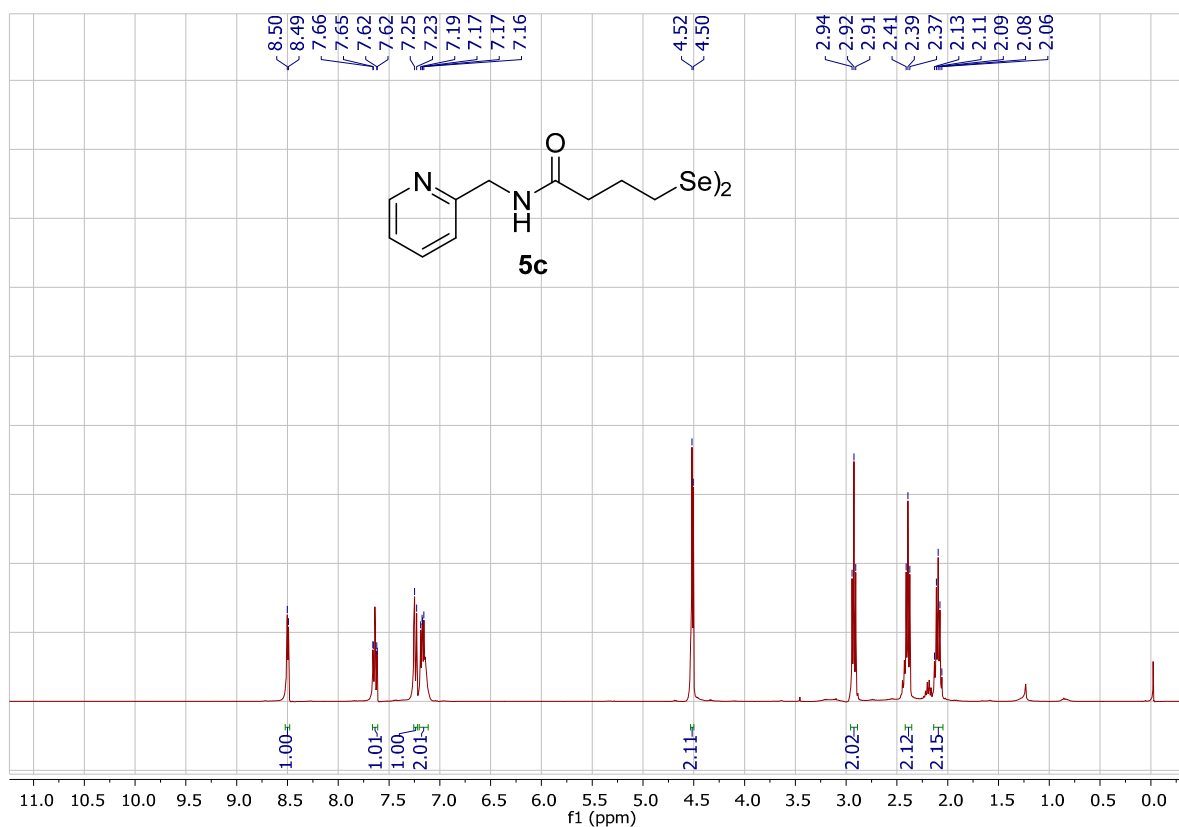


Figure S9. ¹H-NMR (400 MHz, CDCl₃) spectrum of **5c**.

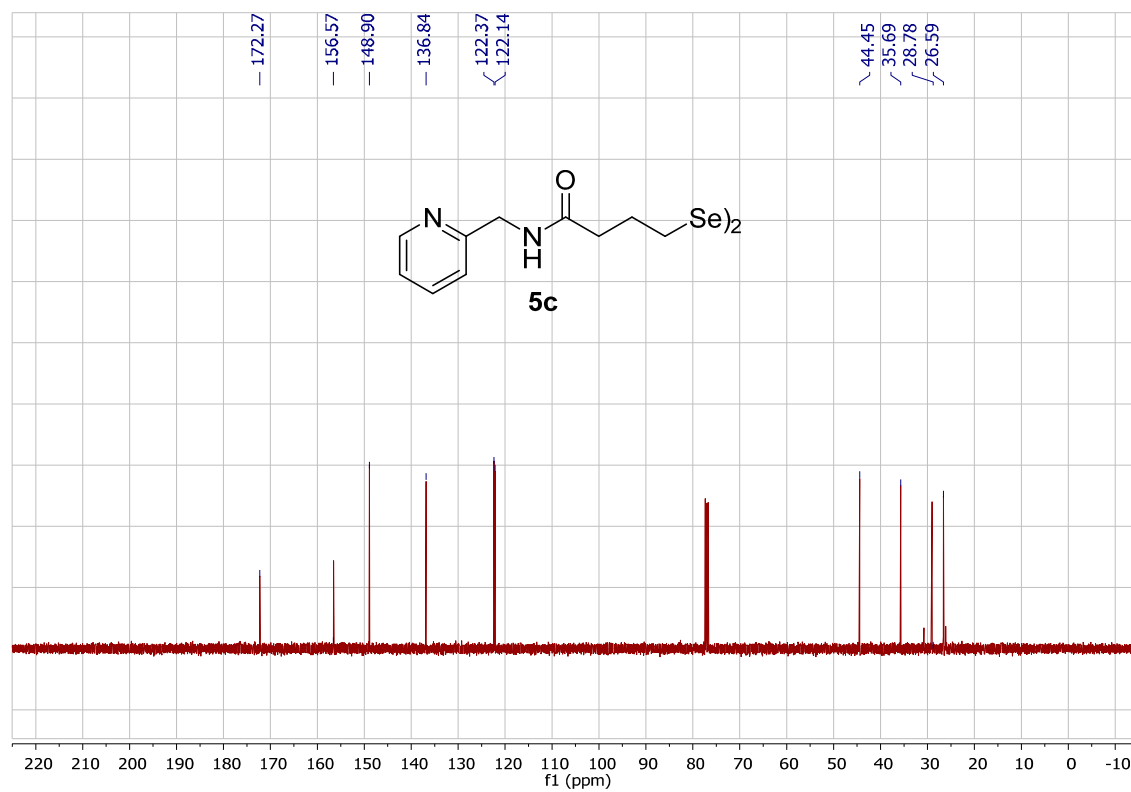
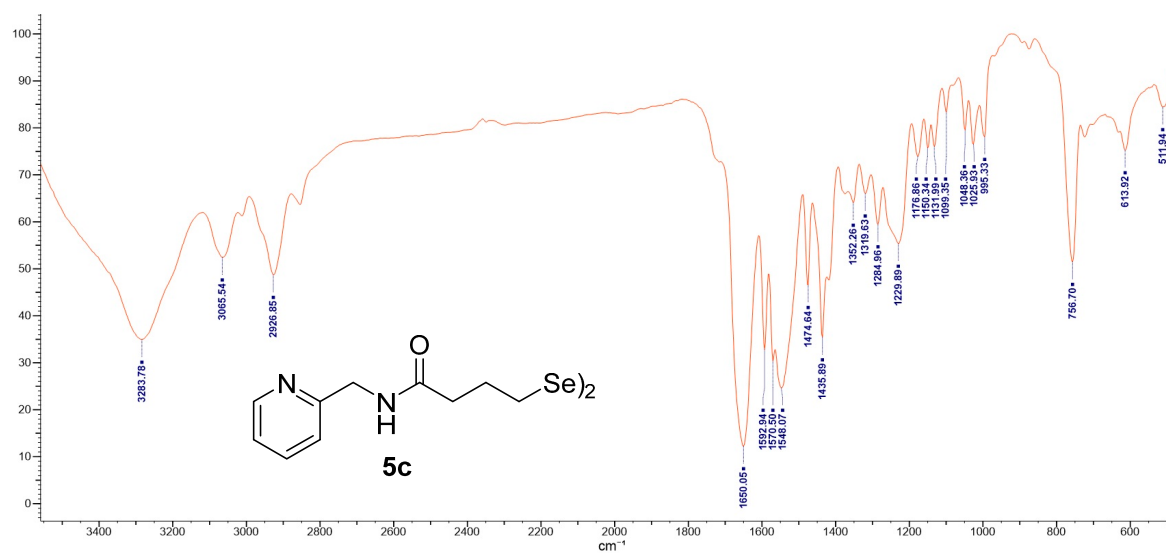
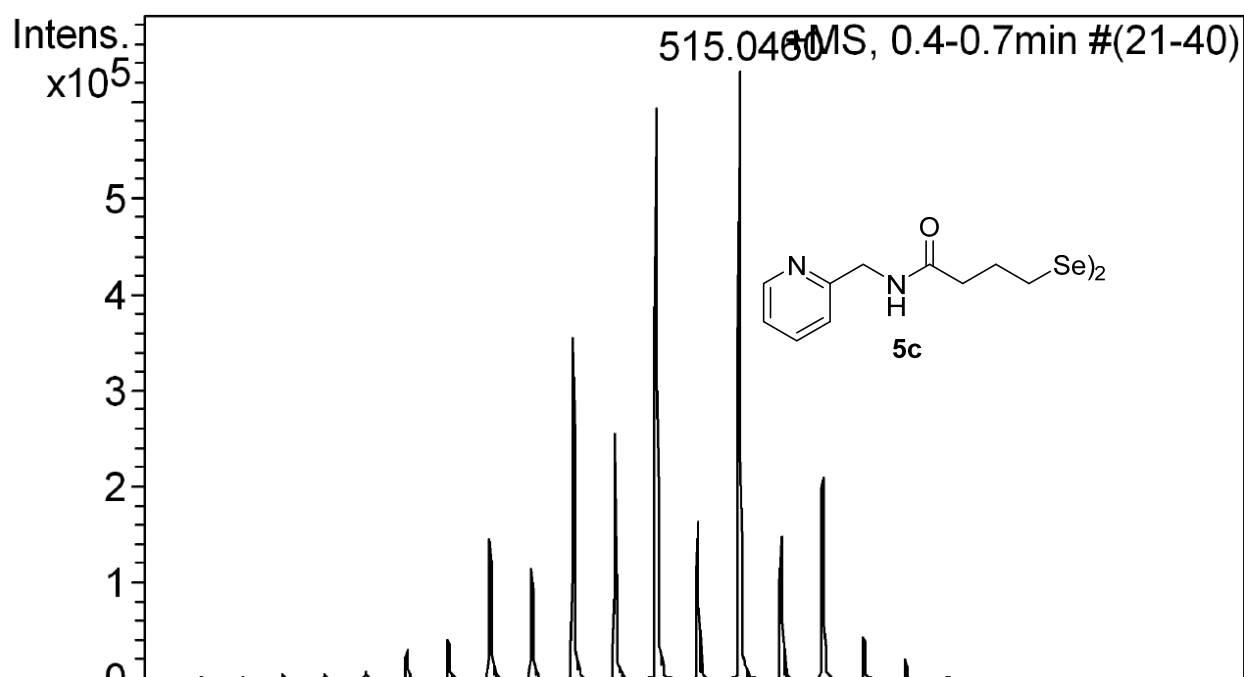


Figure S10. ¹³C-NMR (100 MHz, CDCl₃) spectrum of **5c**.

Figure S11. IR spectrum of **5c**.Figure S12. HRMS spectrum of **5c**.

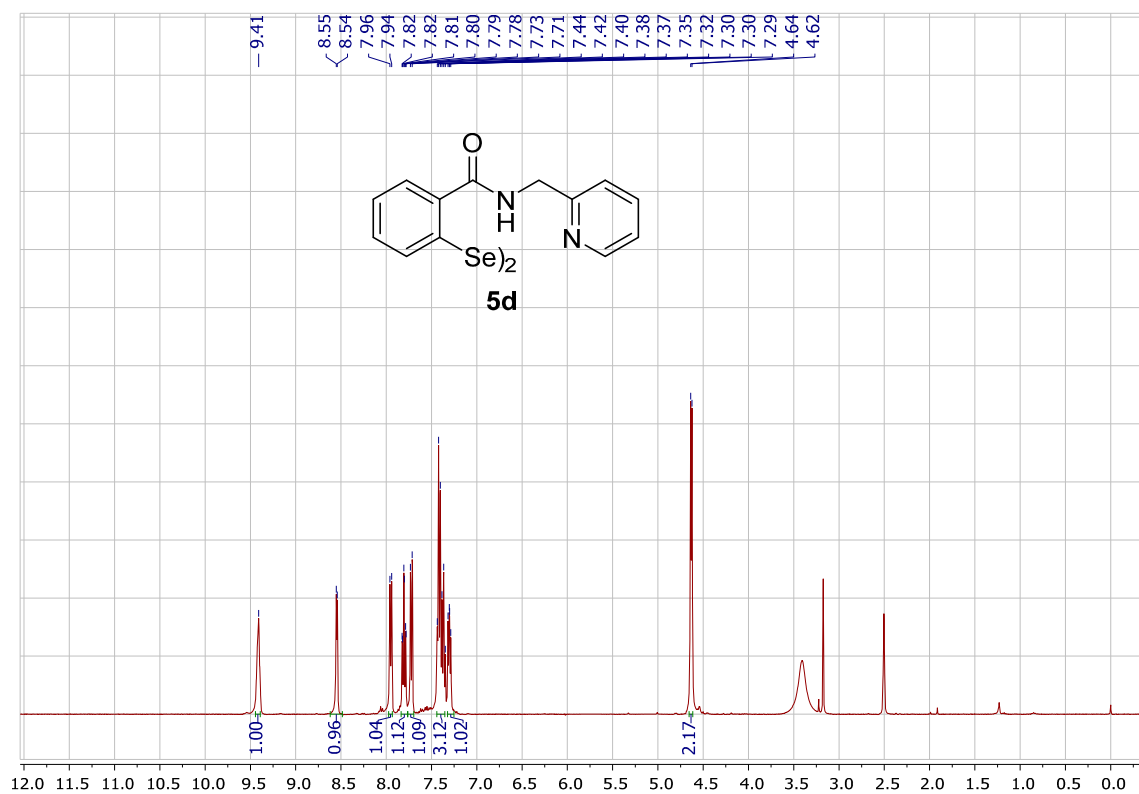


Figure S13. ¹H-NMR (400 MHz, DMSO-*d*₆) spectrum of **5d**.

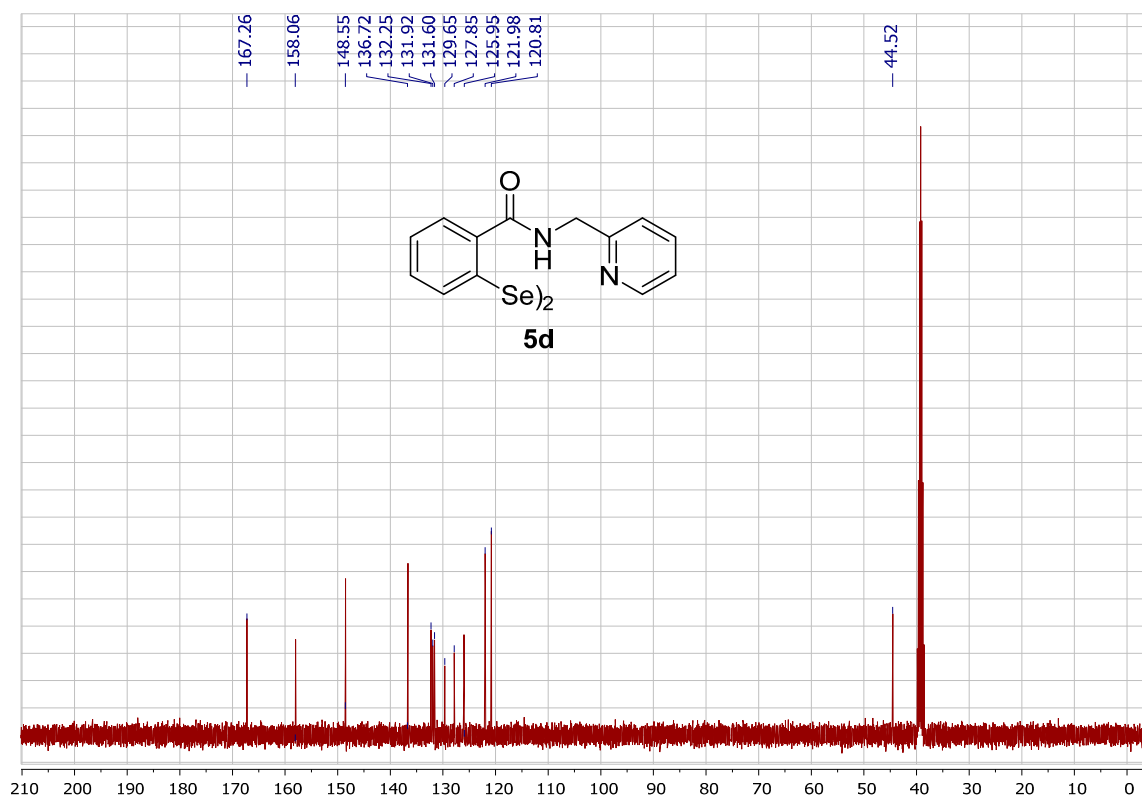
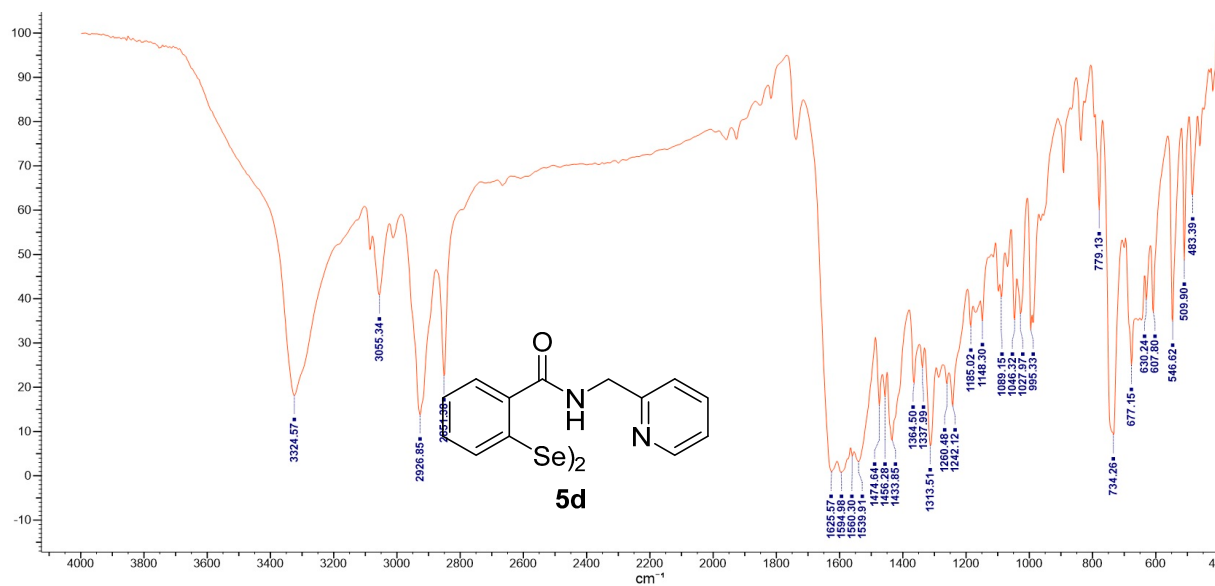
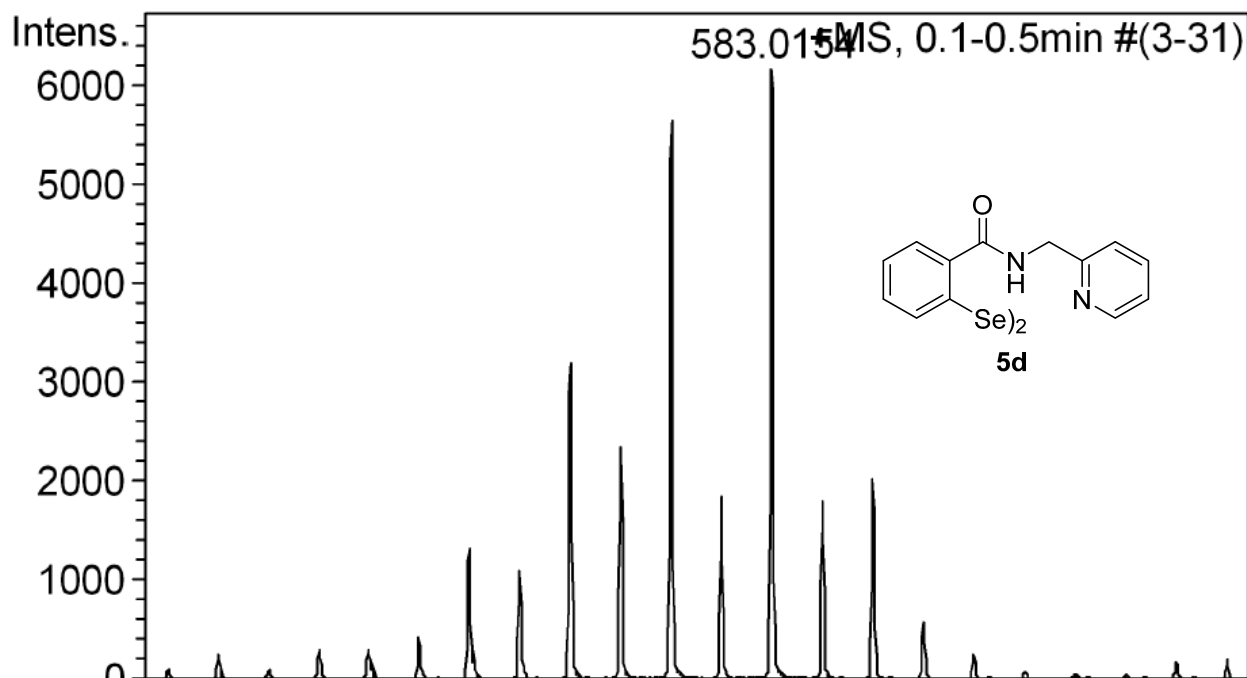


Figure S14. ¹³C-NMR (100 MHz, DMSO-*d*₆) spectrum of **5d**.

Figure S15. IR spectrum of **5d**.Figure S16. HRMS spectrum of **5d**.

The crystal data and structure refinement for **5d** are summarized in Table S1.

Table S1. Crystal data and structure refinement for **5d**.

Parameters	Value
Empirical formula	C ₂₆ H ₂₂ N ₄ O ₂ Se ₂
Formula weight	580.40
Temperature	293(2) K
Wavelength	0.71073 Å
Crystal system, space group	Monoclinic, P2(1)
Unit cell dimensions	a = 7.9347(5) Å, α = 90 deg. b = 19.3587(12) Å, β = 109.632(2) deg. c = 8.1377(5) Å, γ = 90 deg.
Volume	1177.33(13) Å ³
Z, Calculated density	2, 1.637 g.m ⁻³
Absorption coefficient	3.173 mm ⁻¹
F(000)	580
Crystal size	0.543 × 0.459 × 0.188 mm
Theta range for data collection	2.10 to 27.25 deg.
Limiting indices	-10 ≤ h ≤ 10, -24 ≤ k ≤ 24, -6 ≤ l ≤ 10
Reflections collected/unique	16292/5151 [R(int) = 0.0261]
Completeness to theta	27.25 (99.8%)
Absorption correction	Numerical
Max. and min. transmission	0.559 and 0.159
Refinement method	Full-matrix least-squares on F ²
Data/restraints/parameters	5151/1/307
Goodness-of-fit on F ²	1.018
Final R indices [I > 2sigma(I)]	R1 = 0.0230, w R2 = 0.0516
R indices (all data)	R1 = 0.0284, w R2 = 0.0534
Absolute structure parameter	0.027(6)
Largest diff. peak and hole	0.295 and -0.309 e.Å ⁻³