

Supporting information

Synthesis, spectral characteristics and molecular docking studies of *N*-(2,2,2-trichloro-1-thioureidoethyl)carboxamides

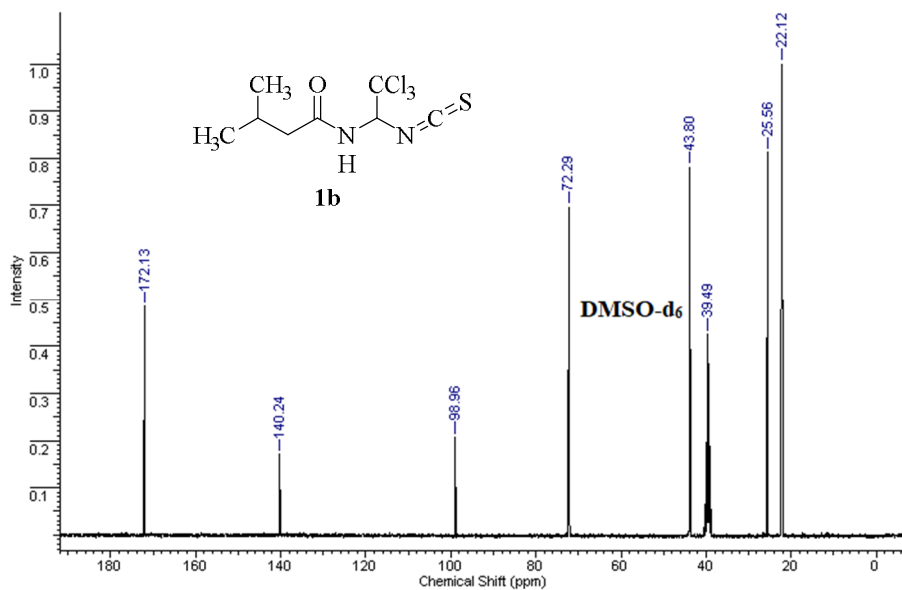
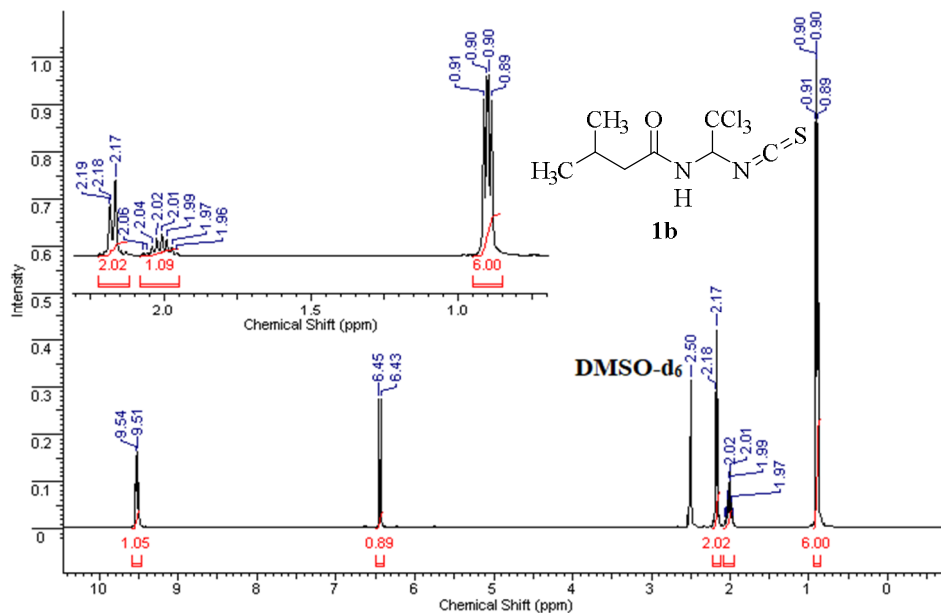
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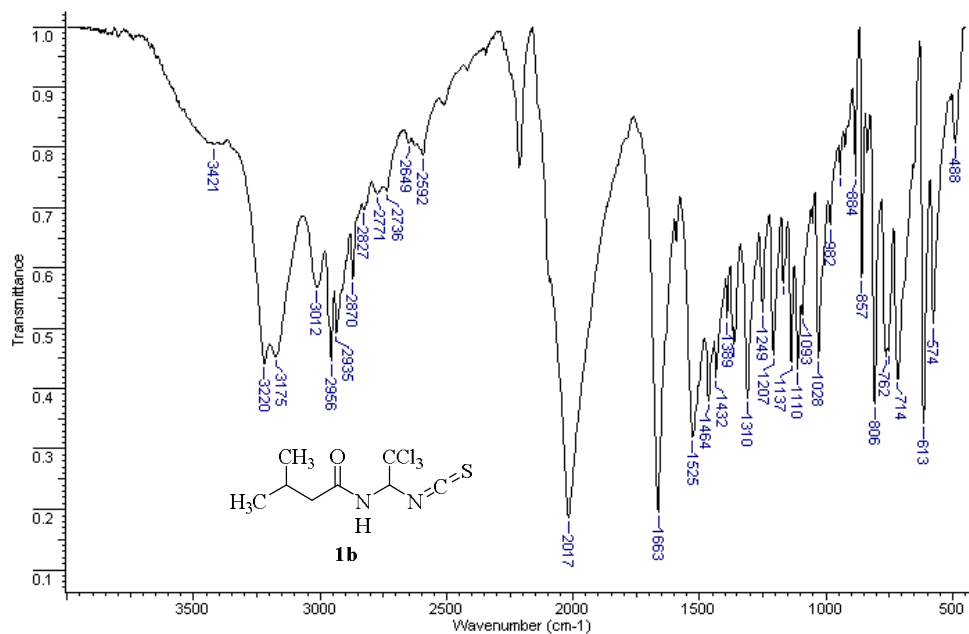


Figure S3. IR (KBr) spectra of 3-methyl-*N*-(2,2,2-trichloro-1-isothiocanatoethyl)butanamide (**1b**).

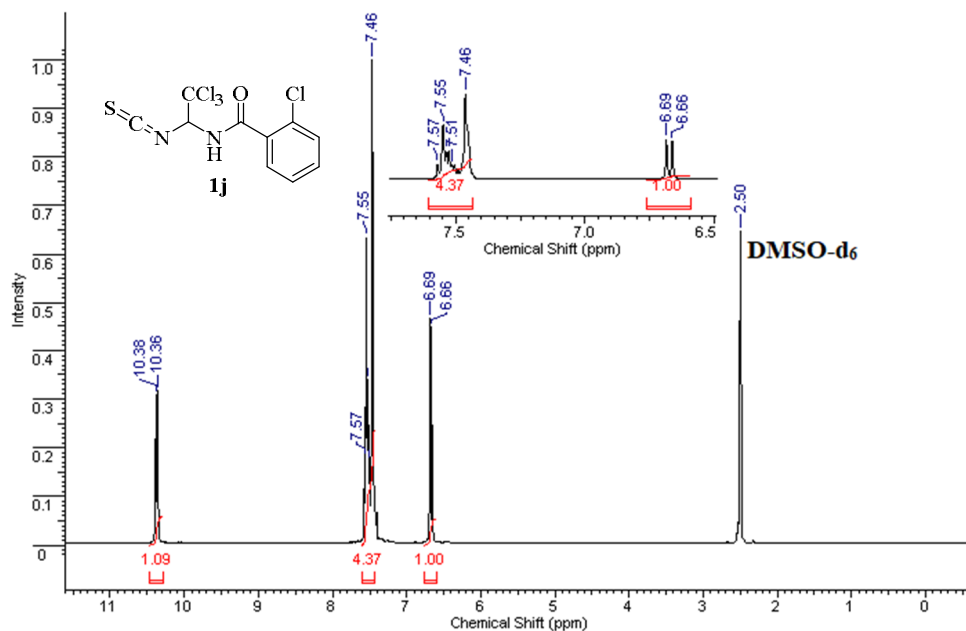


Figure S4. ¹H NMR (DMSO-d₆) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-isothiocyantoethyl)benzamide (**1j**).

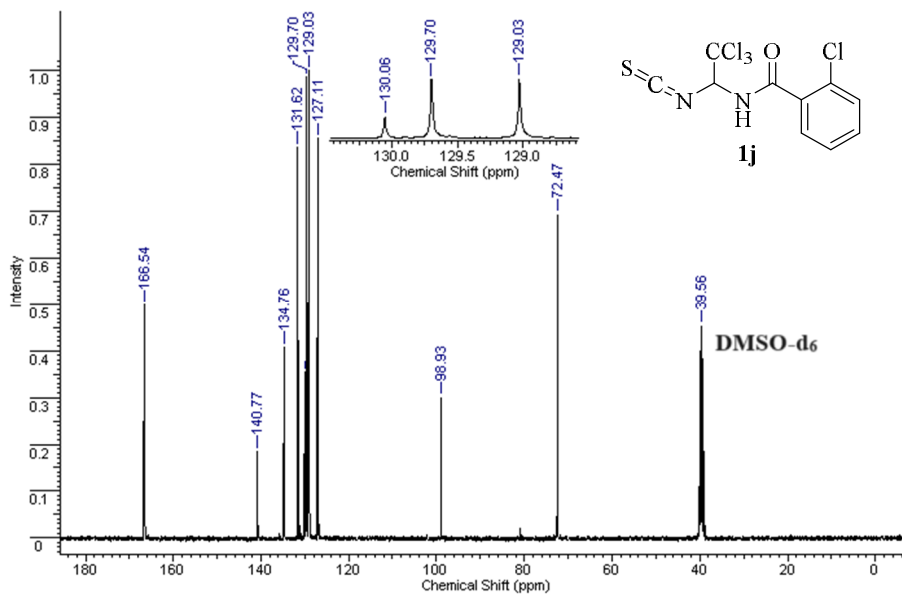


Figure S5. ¹³C NMR (DMSO-d₆) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-isothiocyantoethyl)benzamide (**1j**).

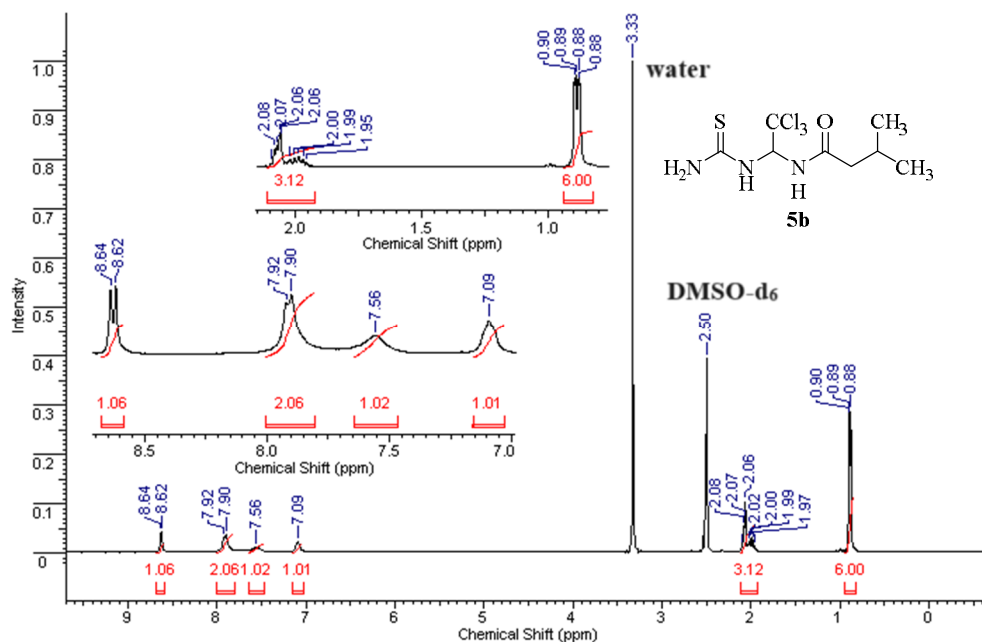


Figure S7. ^1H NMR (DMSO- d_6) spectra of 3-methyl-*N*-(2,2,2-trichloro-1-thiureidoethyl)butanamide (**5b**).

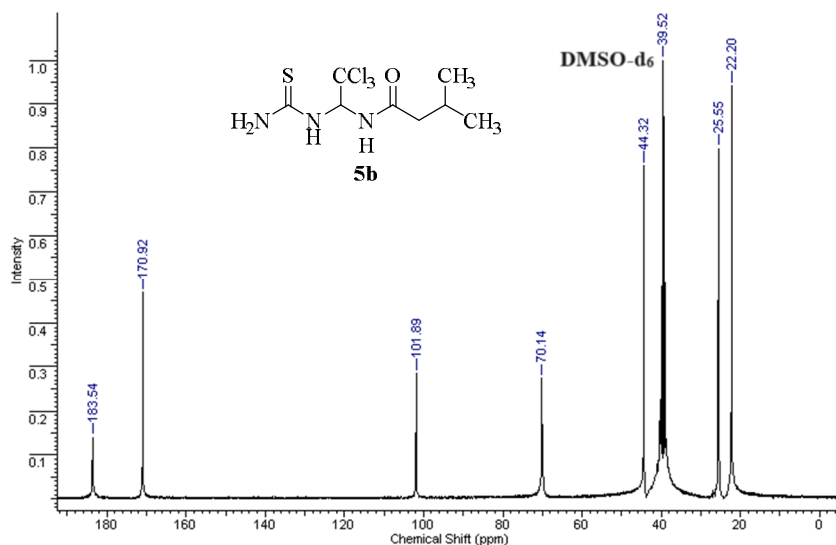


Figure S8. ^{13}C NMR (DMSO- d_6) spectra of 3-methyl-*N*-(2,2,2-trichloro-1-thiureidoethyl)butanamide (**5b**).

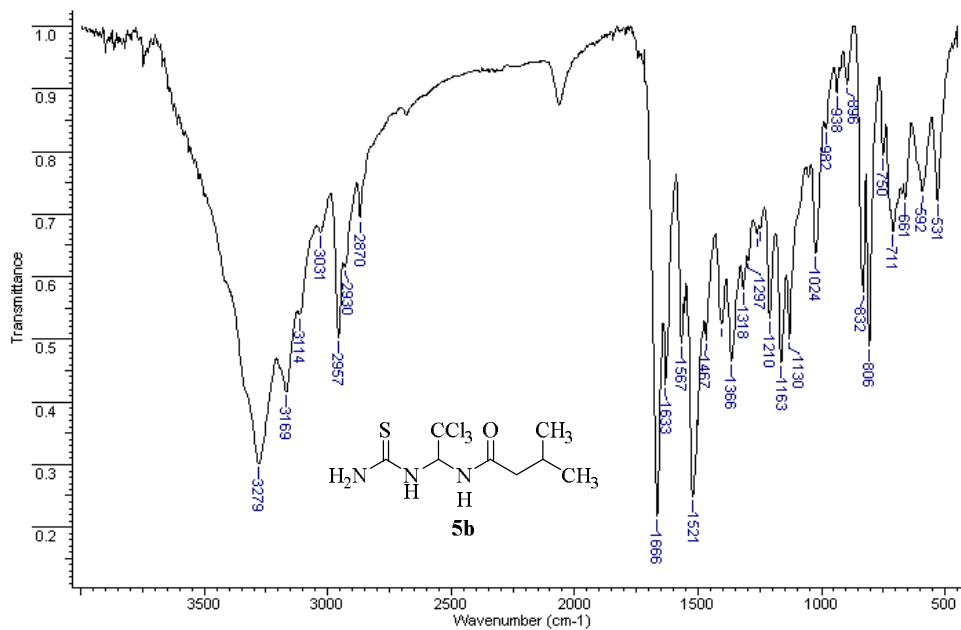


Figure S9. IR (KBr) spectra of 3-methyl-*N*-(2,2,2-trichloro-1-thioureidoethyl)butanamide (**5b**).

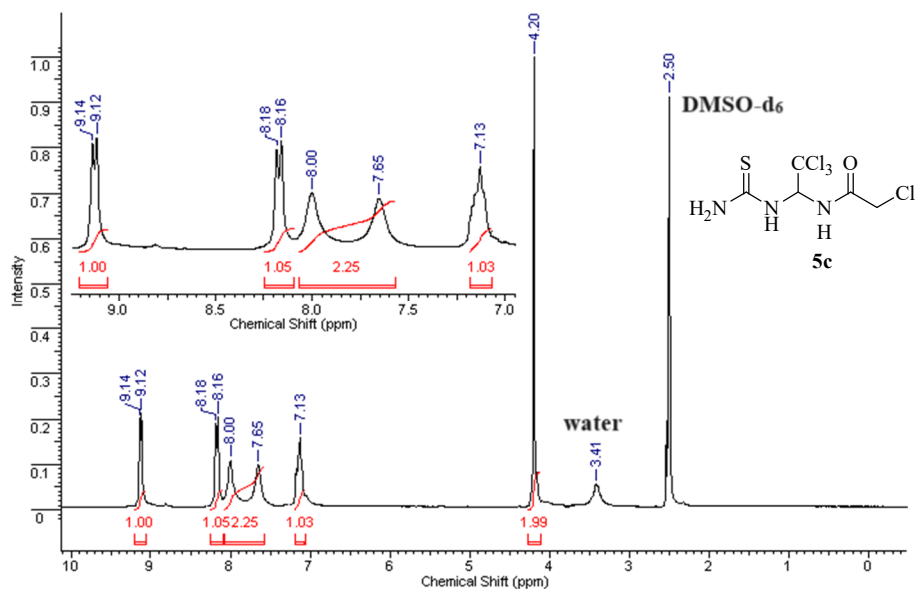


Figure S10. ¹H NMR (DMSO-d₆) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thiureidoethyl)acetamide (**5c**).

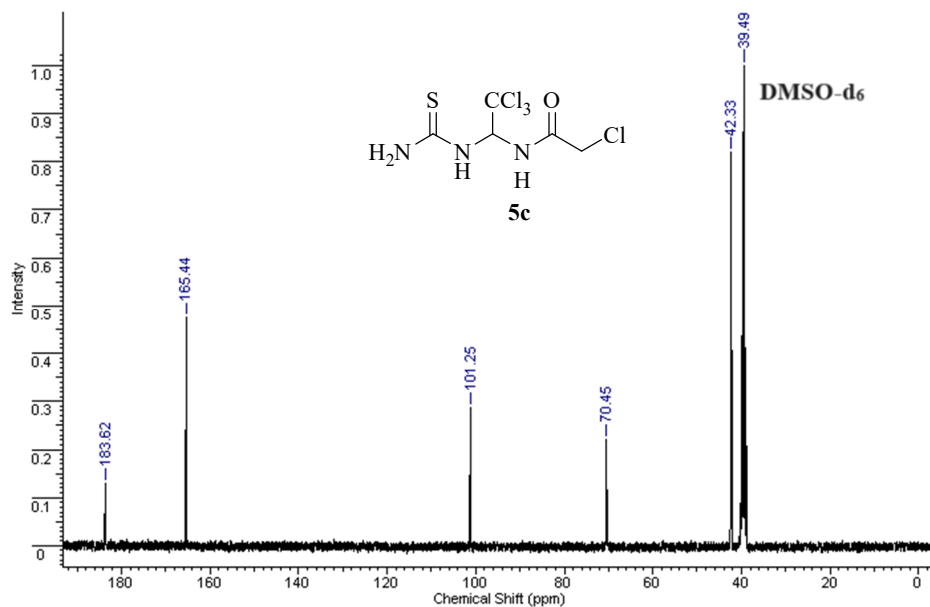


Figure S11. ¹³C NMR (DMSO-d₆) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thiureidoethyl)acetamide (**5c**).

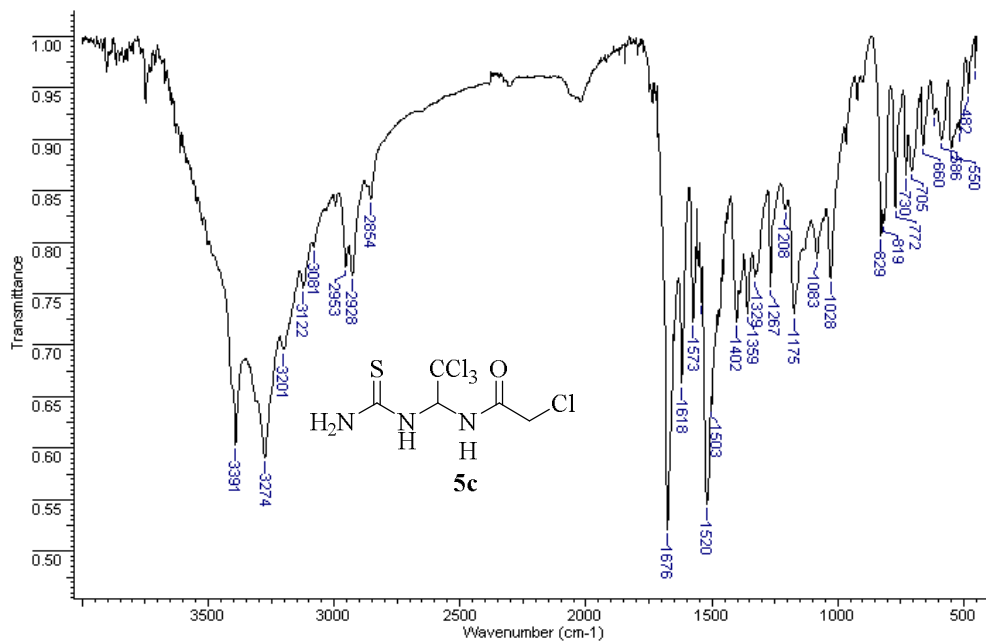


Figure S12. IR (KBr) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thioureidoethyl)acetamide (**5c**).

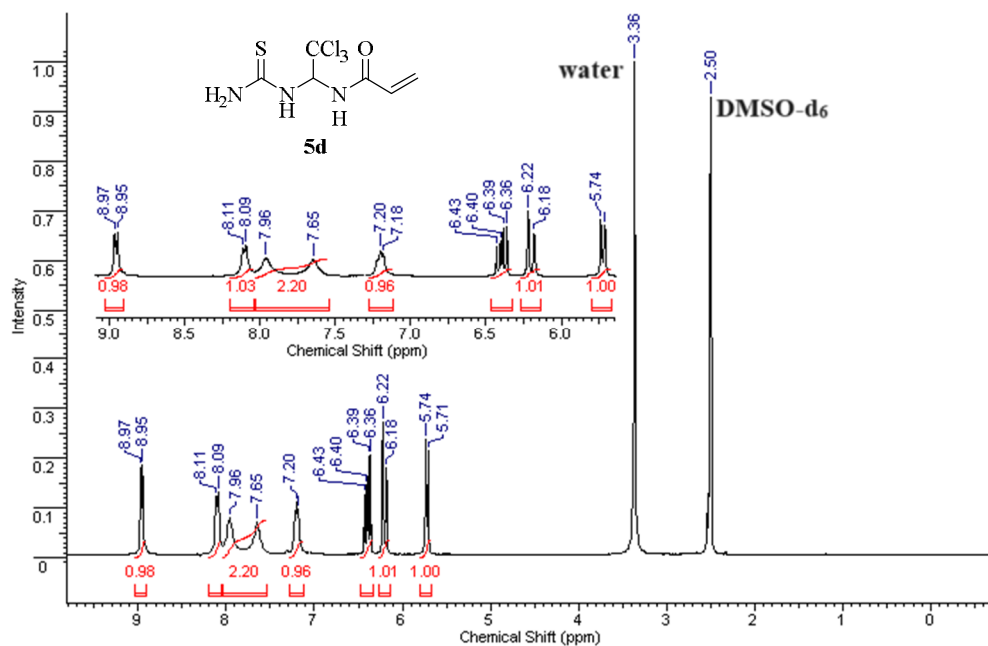


Figure S13. ¹H NMR (DMSO-d₆) spectra of *N*-(2,2,2-trichloro-1-thioureidoethyl)acrylamide (**5d**).

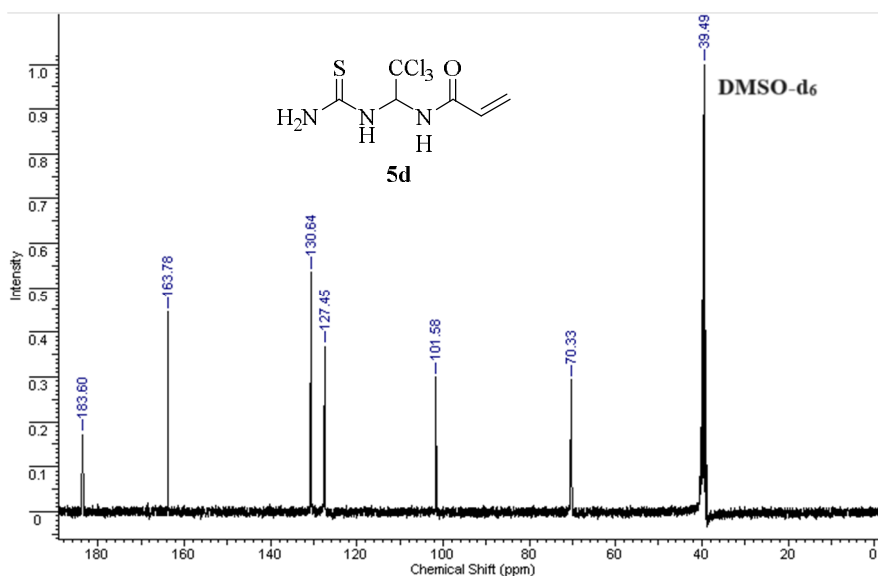


Figure S14. ¹³C NMR (DMSO-d₆) spectra of *N*-(2,2,2-trichloro-1-thioureidoethyl)acrylamide (**5d**).

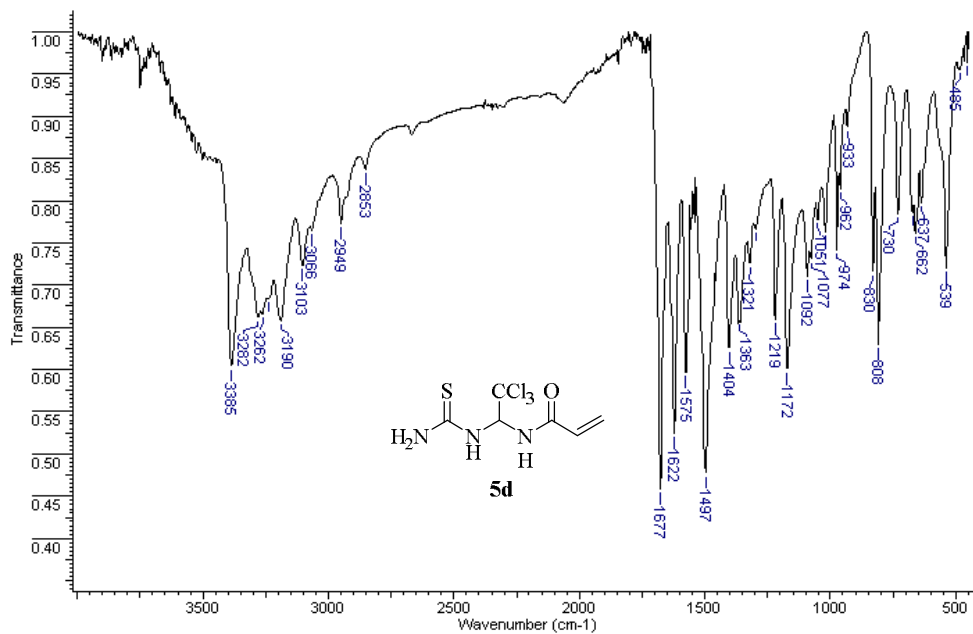


Figure S15. IR (KBr) spectra of *N*-(2,2,2-trichloro-1-thioureidoethyl)acrylamide (**5d**).

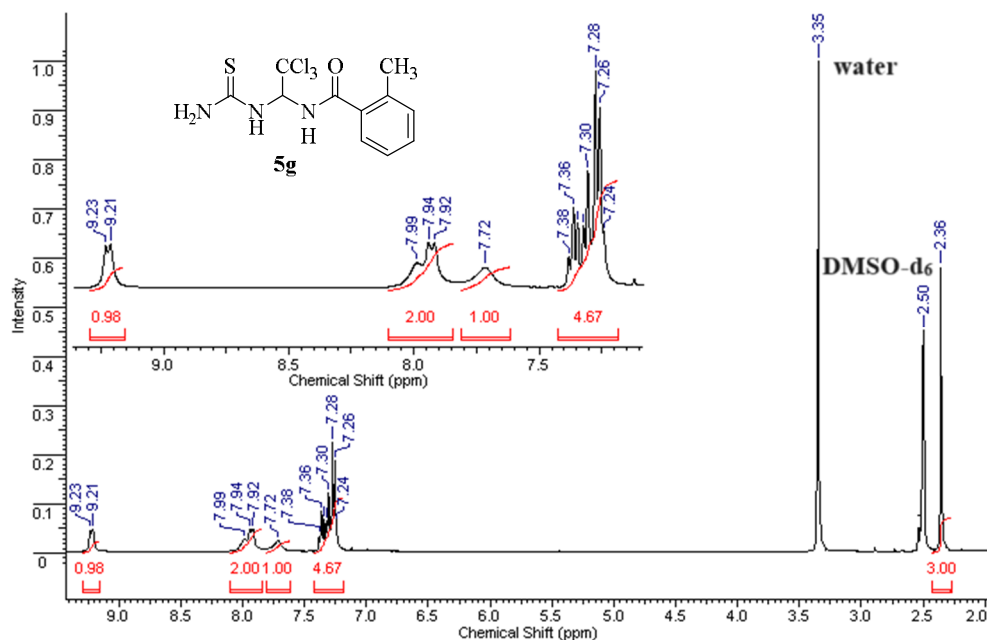


Figure S16. ¹H NMR (DMSO-d₆) spectra of 2-methyl-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5g**).

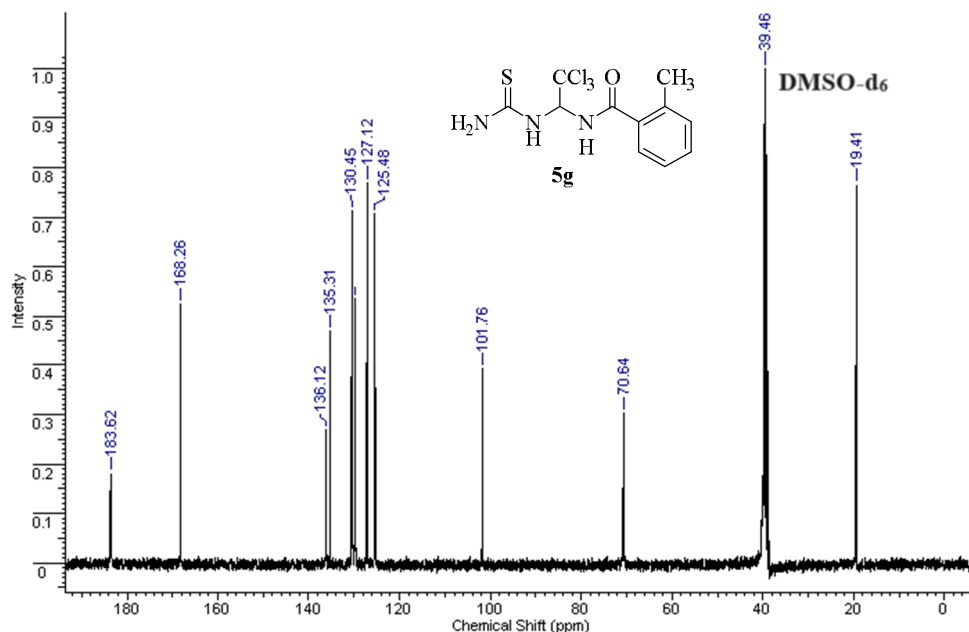


Figure S17. ¹³C NMR (DMSO-d₆) spectra of 2-methyl-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5g**).

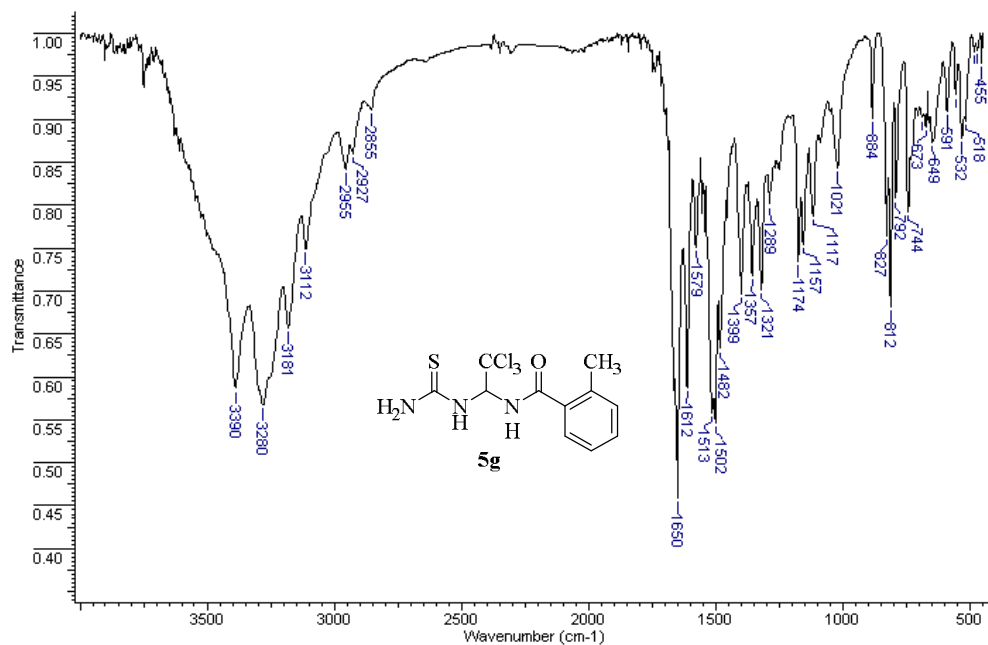


Figure S18. IR (KBr) spectra of 2-methyl-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5g**).

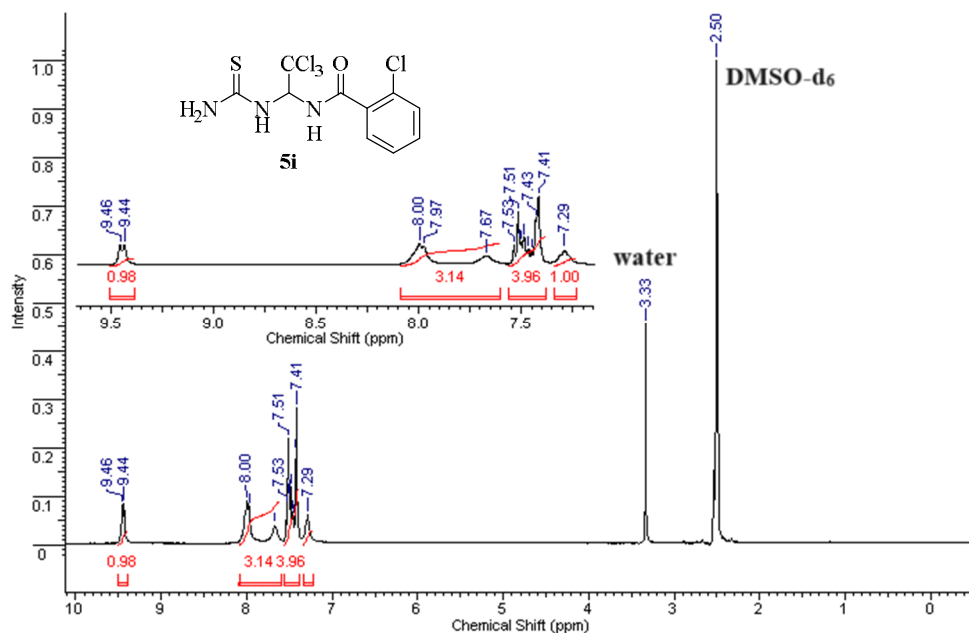


Figure S19. ^1H NMR (DMSO- d_6) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5i**).

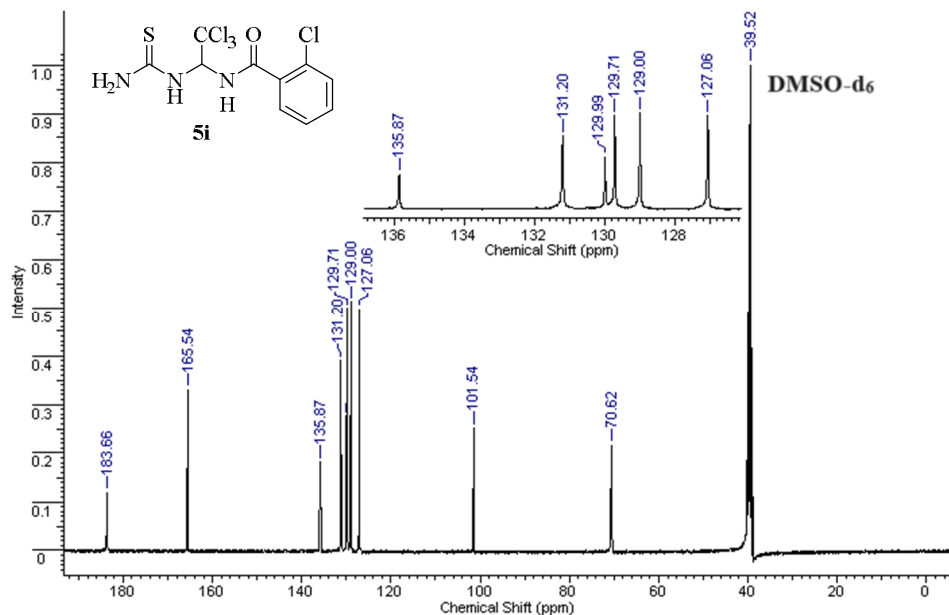


Figure S20. ^{13}C NMR (DMSO- d_6) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5i**).

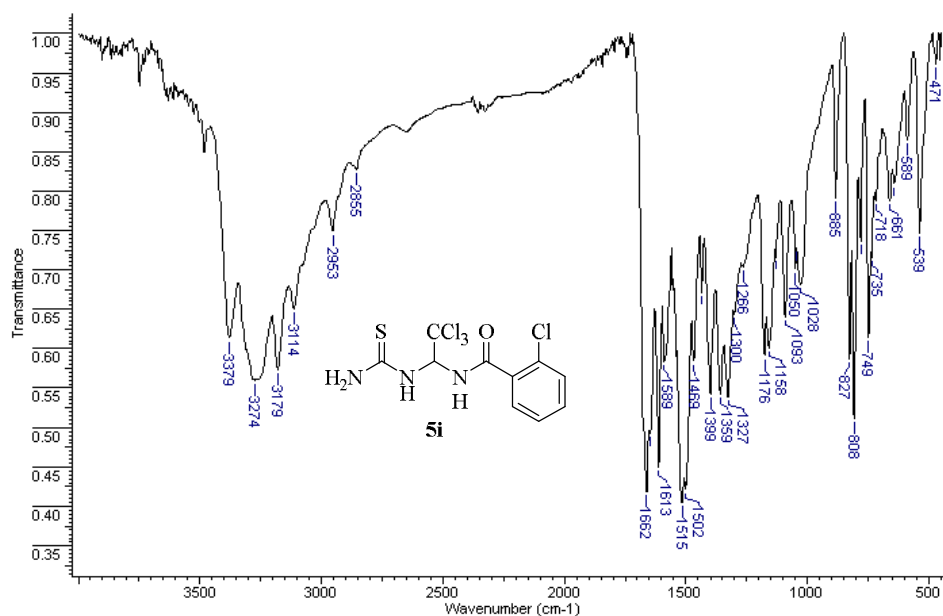


Figure S21. IR (KBr) spectra of 2-chloro-*N*-(2,2,2-trichloro-1-thiureidoethyl)benzamide (**5i**).

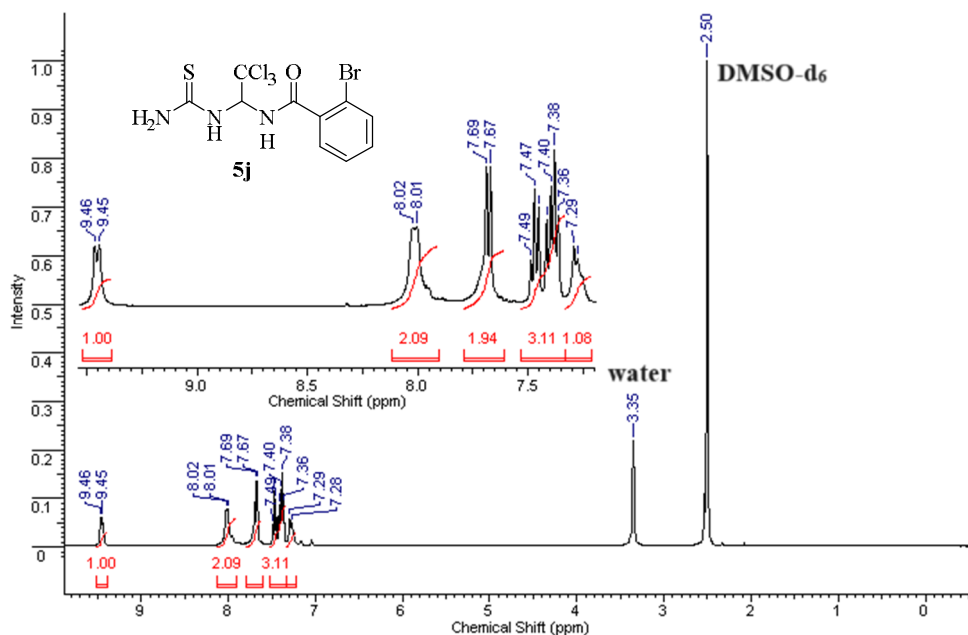


Figure S22. ¹H NMR (DMSO-d₆) spectra of 2-bromo-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5j**).

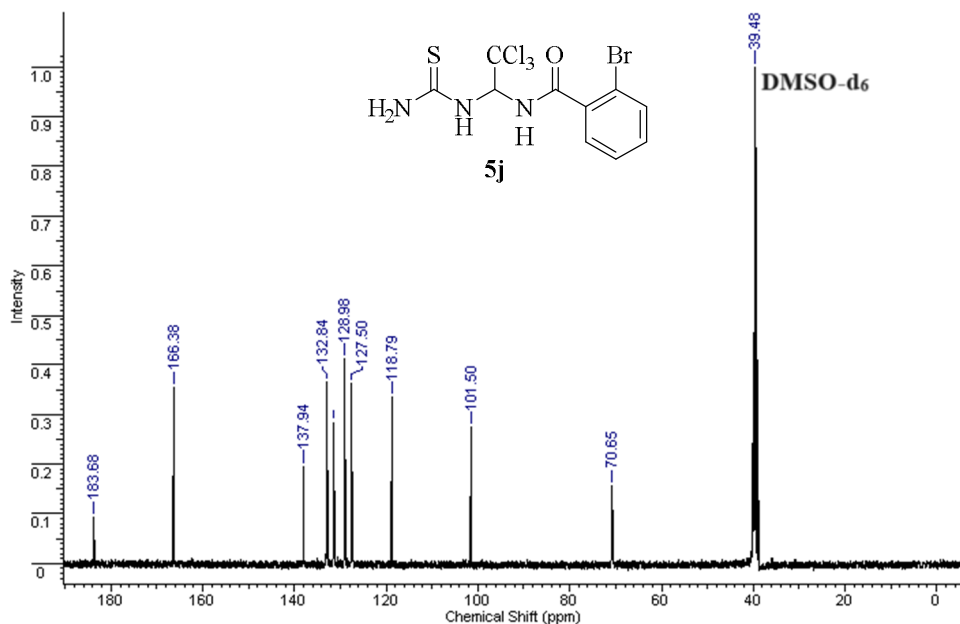


Figure S23. ¹³C NMR (DMSO-d₆) spectra of 2-bromo-*N*-(2,2,2-trichloro-1-thioureidoethyl)benzamide (**5j**).

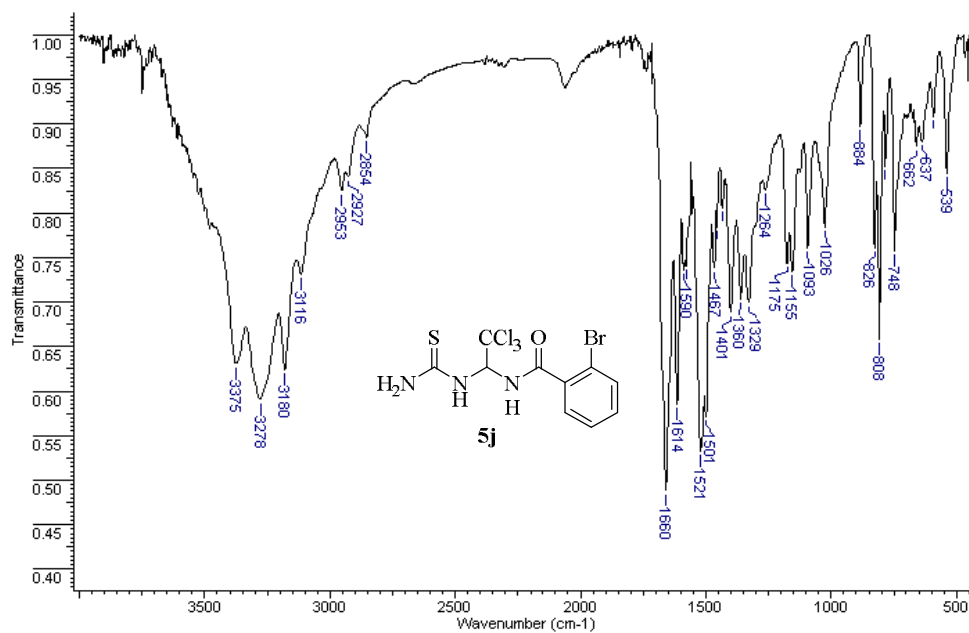


Figure S24. IR (KBr) spectra of 2-bromo-*N*-(2,2,2-trichloro-1-thiureidoethyl)benzamide (**5j**).