

Supporting information

Synthesis, Spectral Characteristics, and Molecular Docking Studies of 2-(2,4-Dichlorophenoxy)-*N*-(2,2,2-Trichloro-1-(3-Arylthioureido)Ethyl)Acetamide [†]

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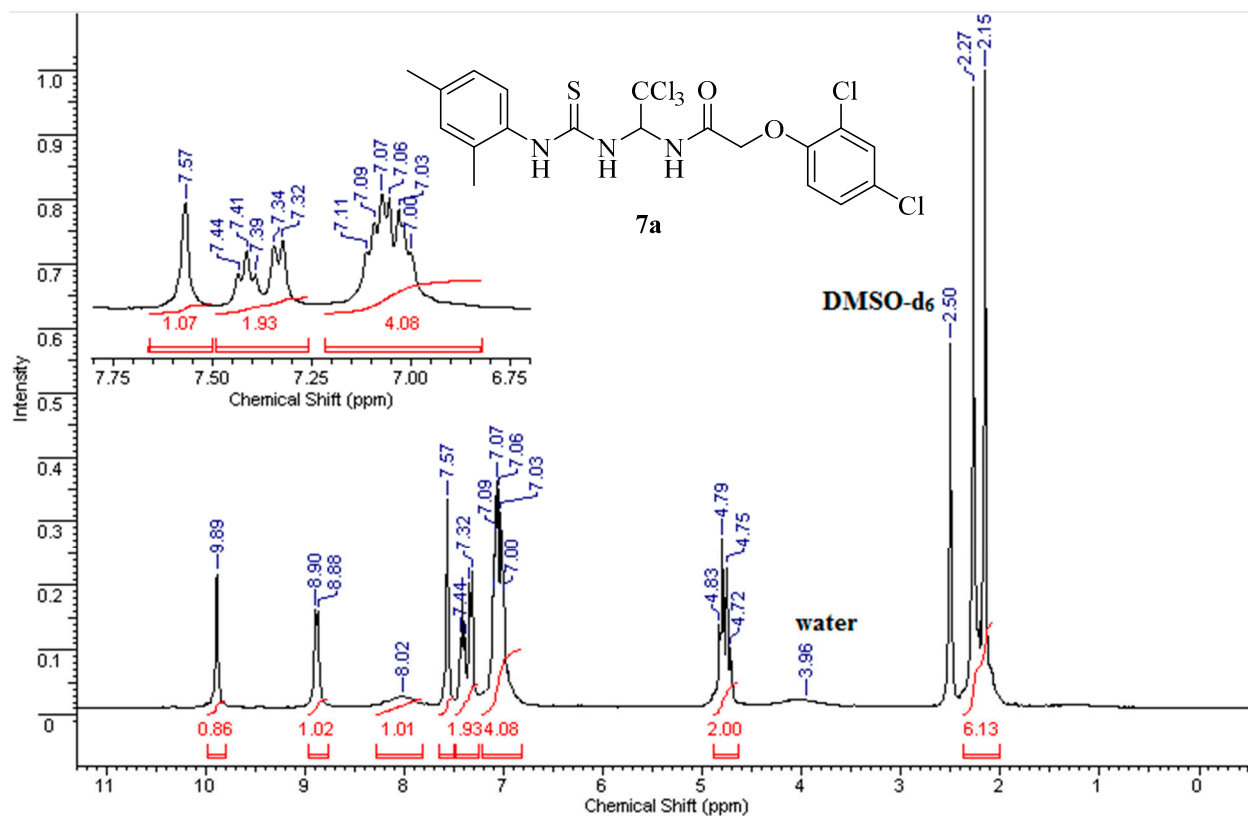


Figure S1. ¹H NMR (400 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-N-(2,2,2-trichloro-1-(3-(2,4-dimethylphenyl)thioureido)ethyl)acetamide (**7a**).

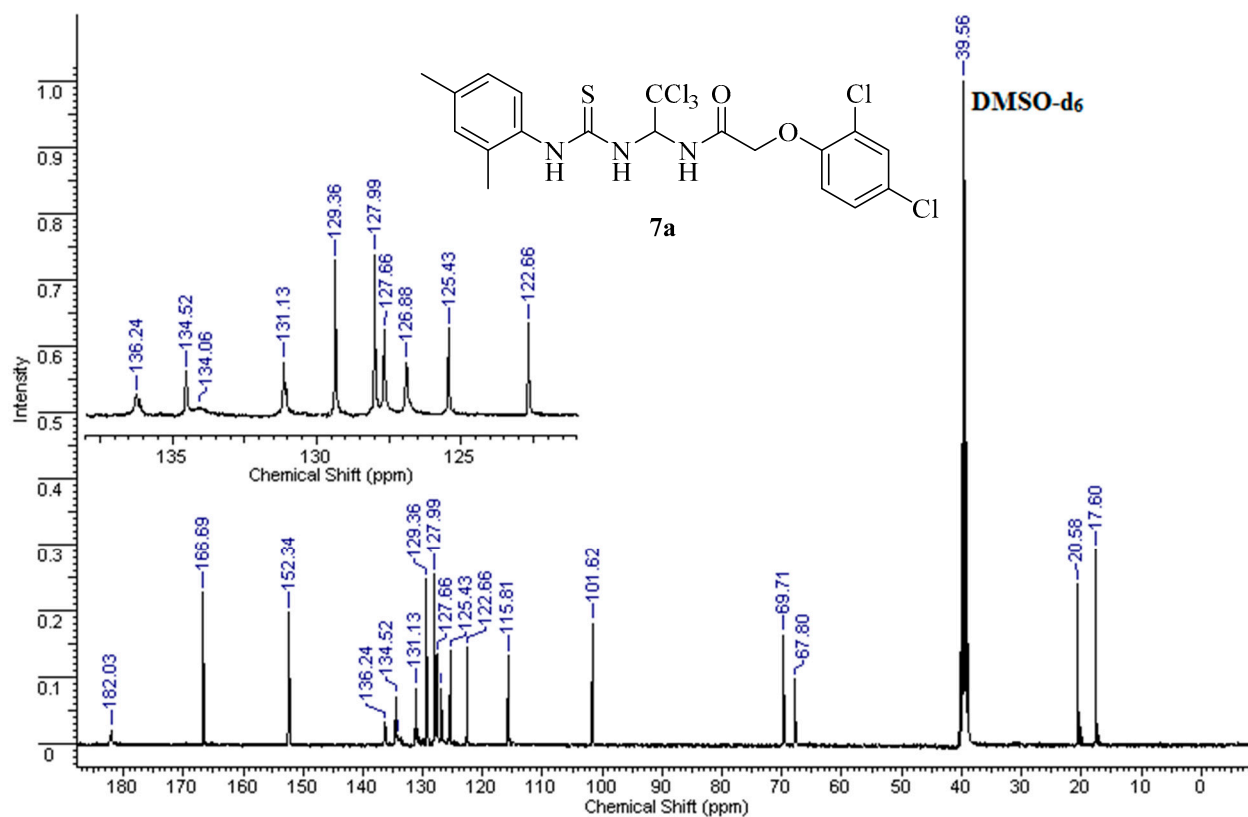


Figure S2. ¹³C NMR (100 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-N-(2,2,2-trichloro-1-(3-(2,4-dimethylphenyl)thioureido)ethyl)acetamide (**7a**).

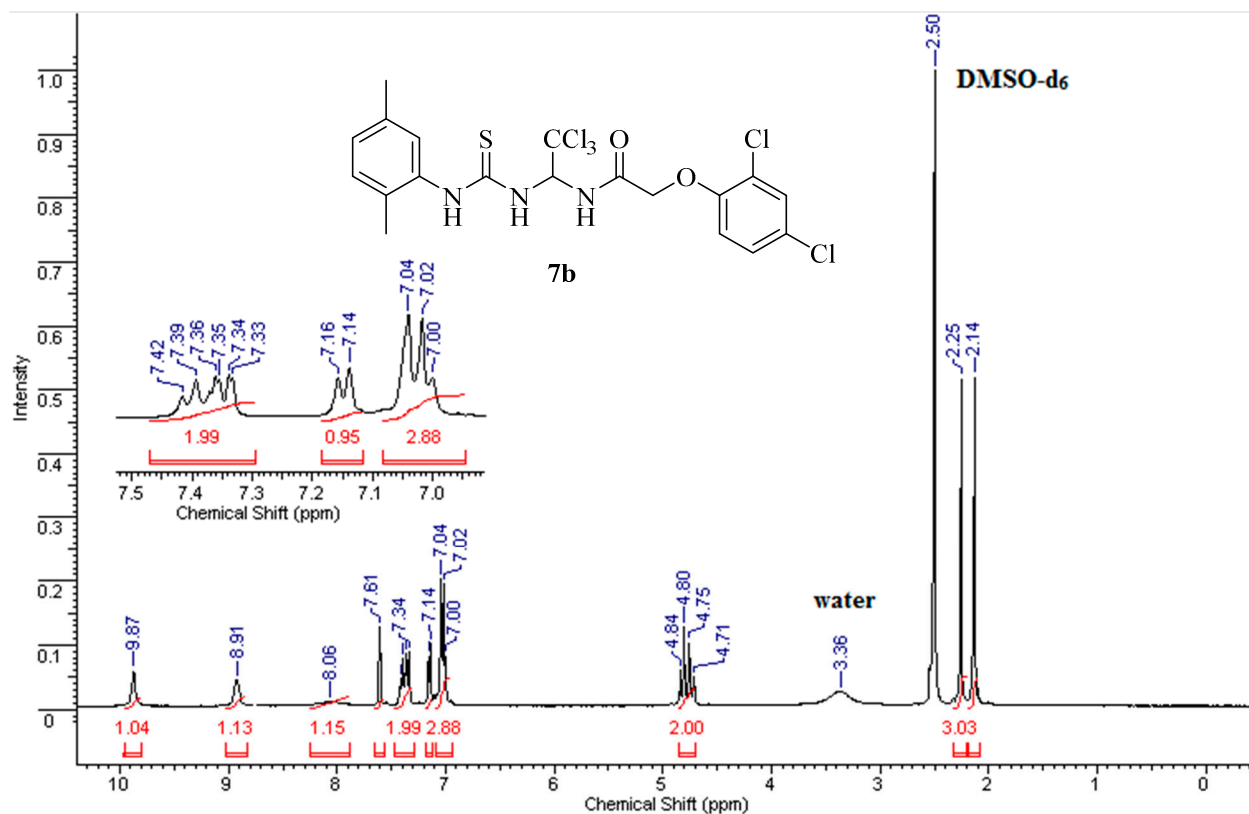


Figure S3. ¹H NMR (400 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2,5-dimethylphenyl)thioureido)ethyl)acetamide (**7b**).

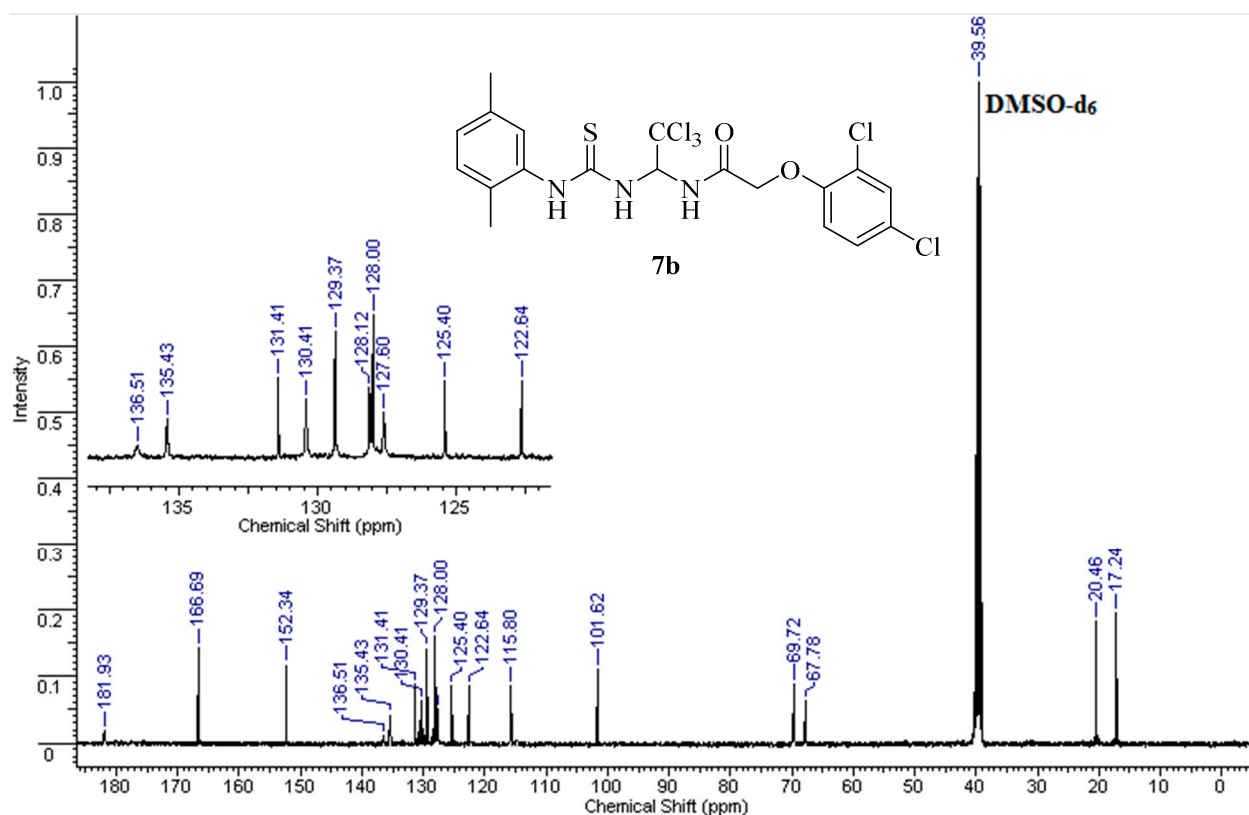


Figure S4. ¹³C NMR (100 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2,5-dimethylphenyl)thioureido)ethyl)acetamide (**7b**).

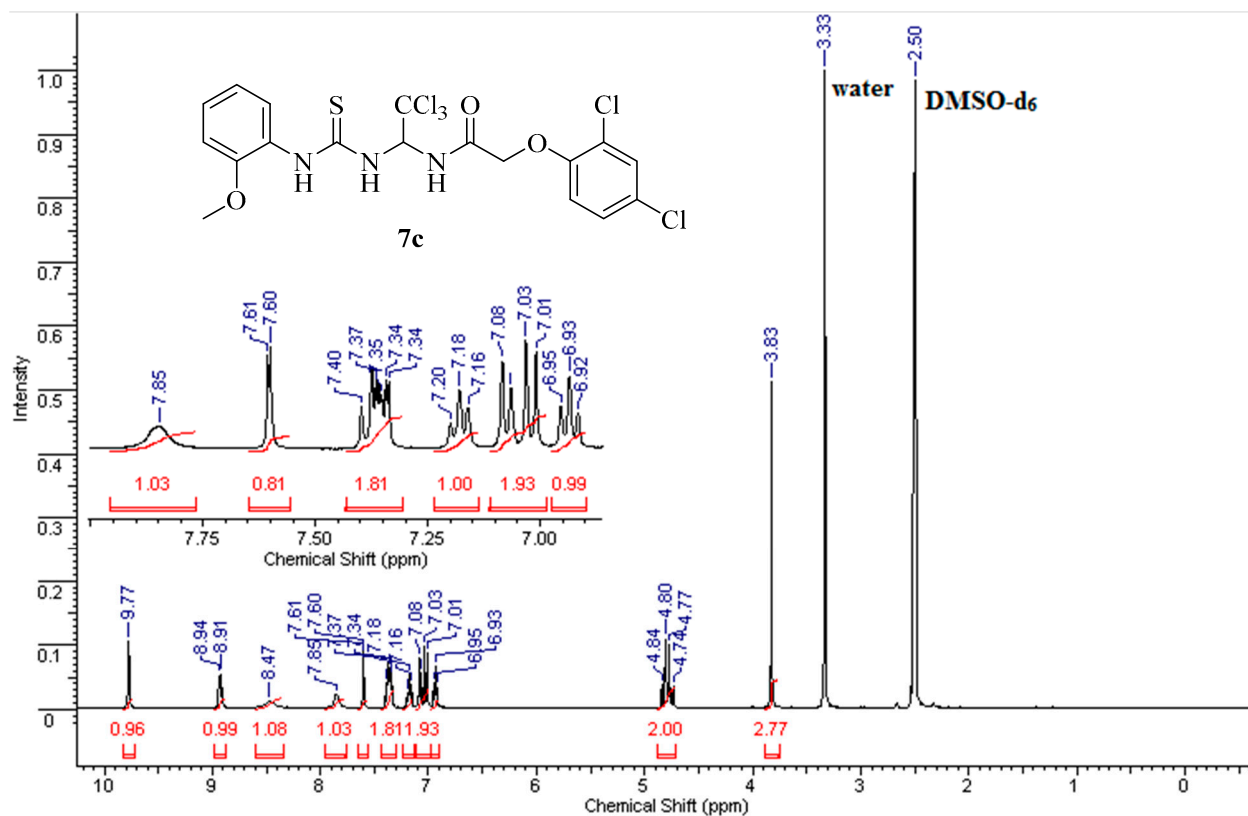


Figure S5. ^1H NMR (400 MHz, DMSO-d_6) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2-methoxyphenyl)thioureido)ethyl)acetamide (**7c**).

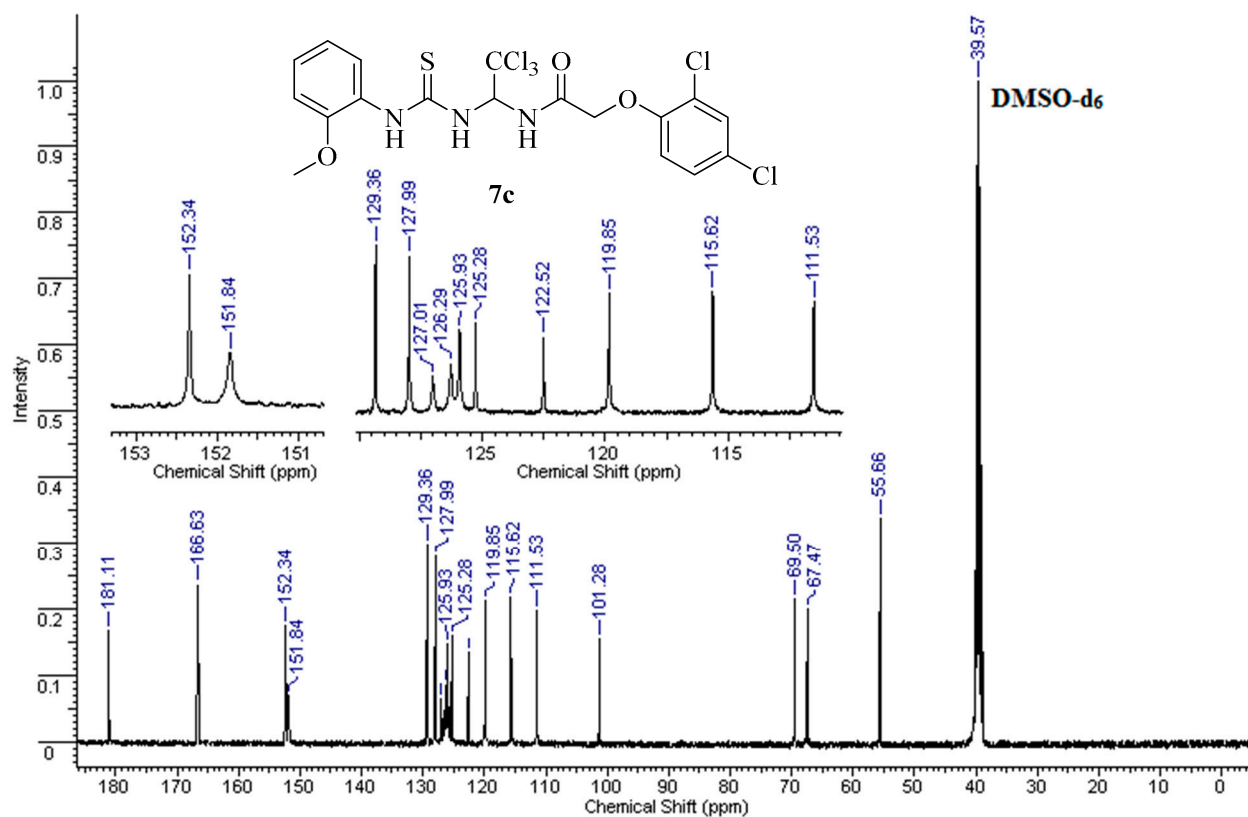


Figure S6. ^{13}C NMR (100 MHz, DMSO-d_6) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2-methoxyphenyl)thioureido)ethyl)acetamide (**7c**).

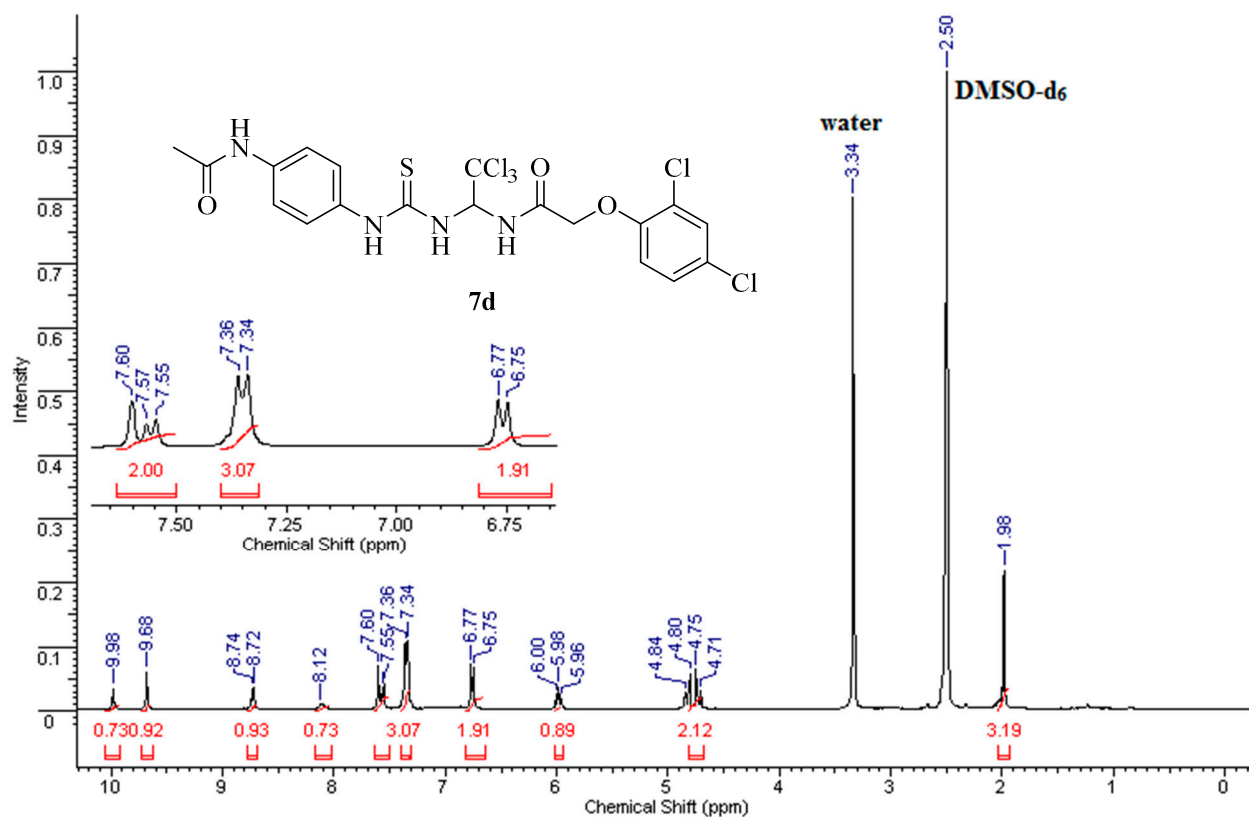


Figure S7. ¹H NMR (400 MHz, DMSO-d₆) spectra of *N*-(1-(3-(4-acetamidophenyl)thioureido)-2,2,2-trichloroethyl)-2-(2,4-dichlorophenoxy)acetamide (**7d**).

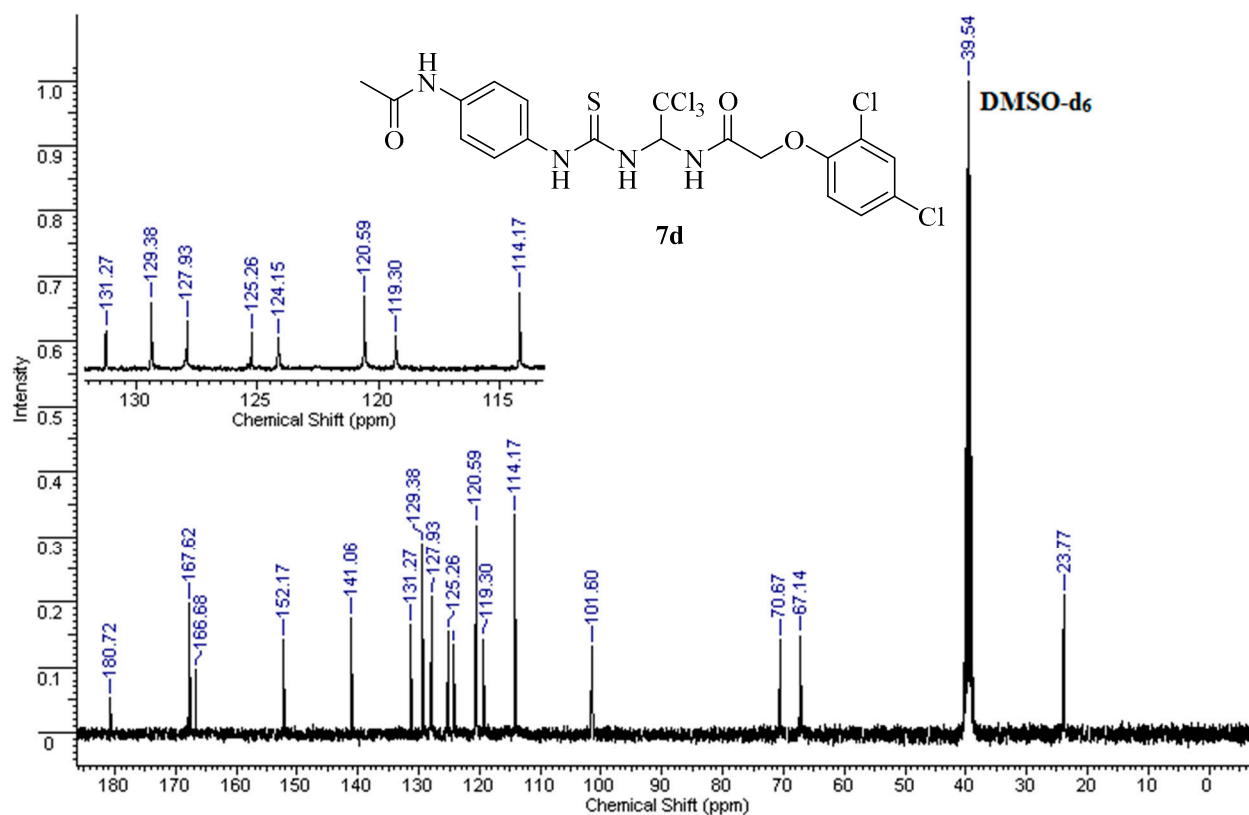


Figure S8. ¹³C NMR (100 MHz, DMSO-d₆) spectra of *N*-(1-(3-(4-acetamidophenyl)thioureido)-2,2,2-trichloroethyl)-2-(2,4-dichlorophenoxy)acetamide (**7d**).

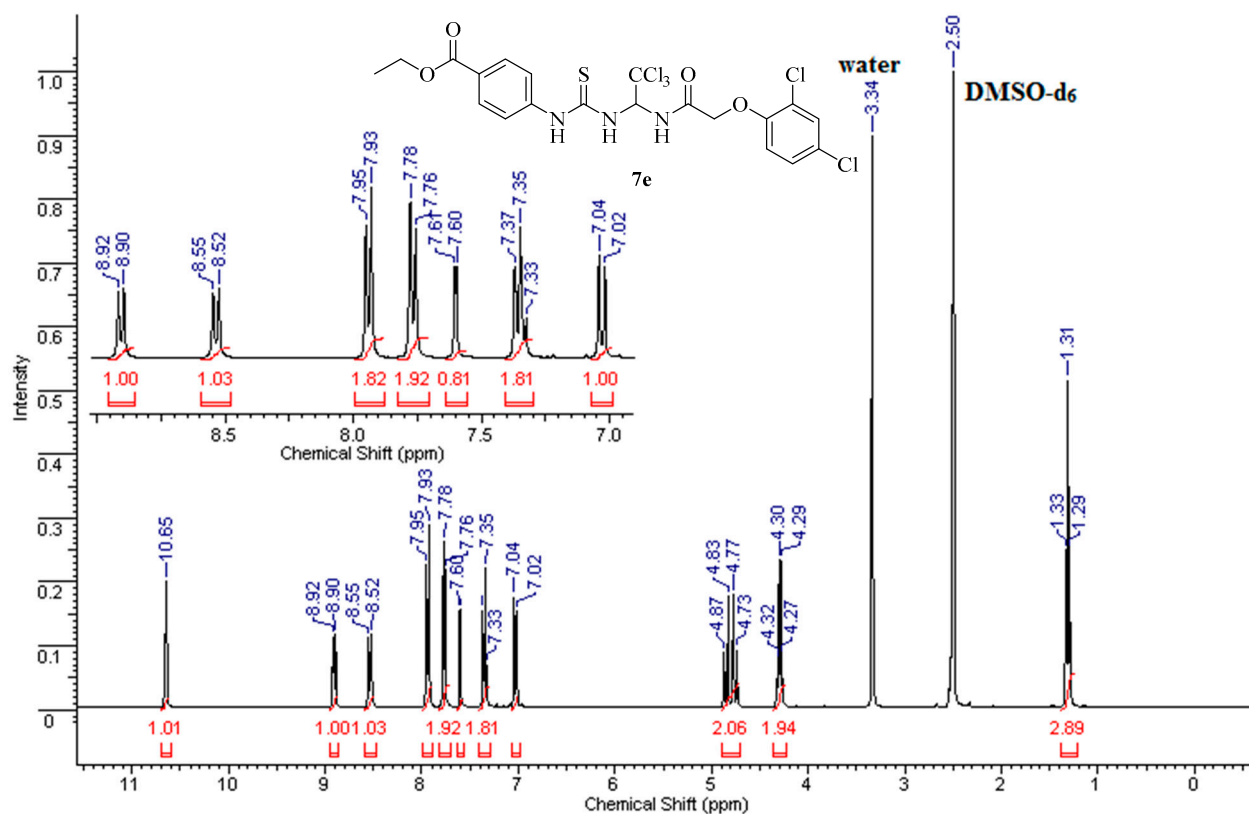


Figure S9. ^1H NMR (400 MHz, DMSO-d_6) spectra of ethyl 4-(3-(2,2,2-trichloro-1-(2-(2,4-dichlorophenoxy)acetamido)ethyl)thioureido)benzoate (**7e**).

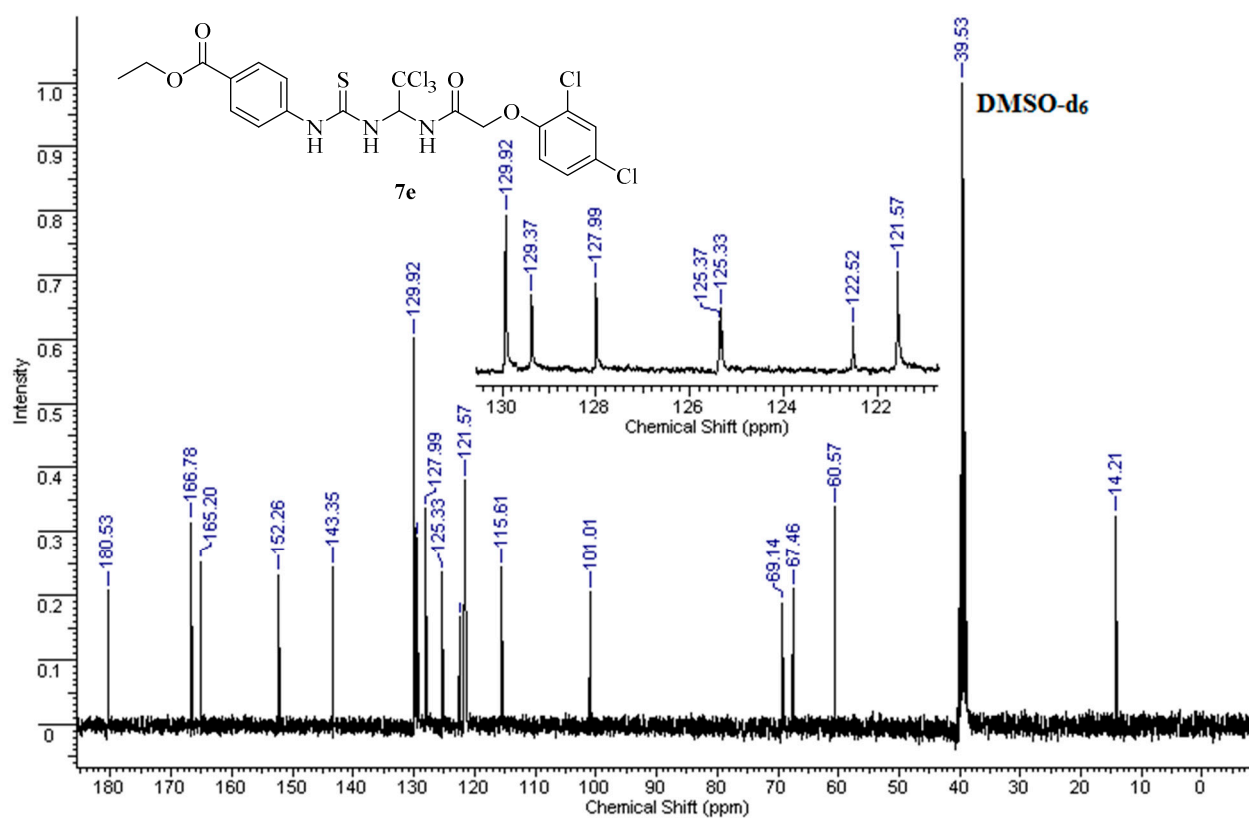


Figure S10. ^{13}C NMR (100 MHz, DMSO-d_6) spectra of ethyl 4-(3-(2,2,2-trichloro-1-(2-(2,4-dichlorophenoxy)acetamido)ethyl)thioureido)benzoate (**7e**).

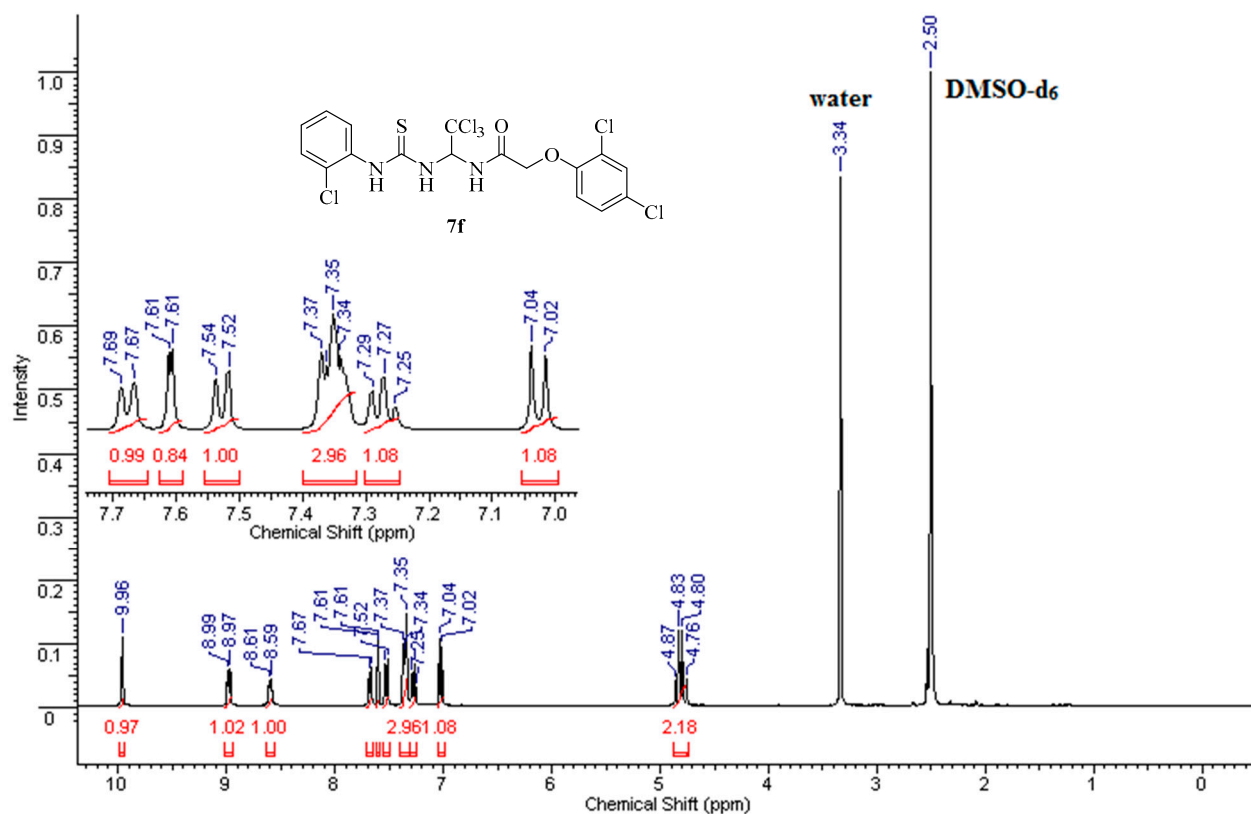


Figure S11. ¹H NMR (400 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2-chlorophenyl)thioureido)ethyl)acetamide (**7f**).

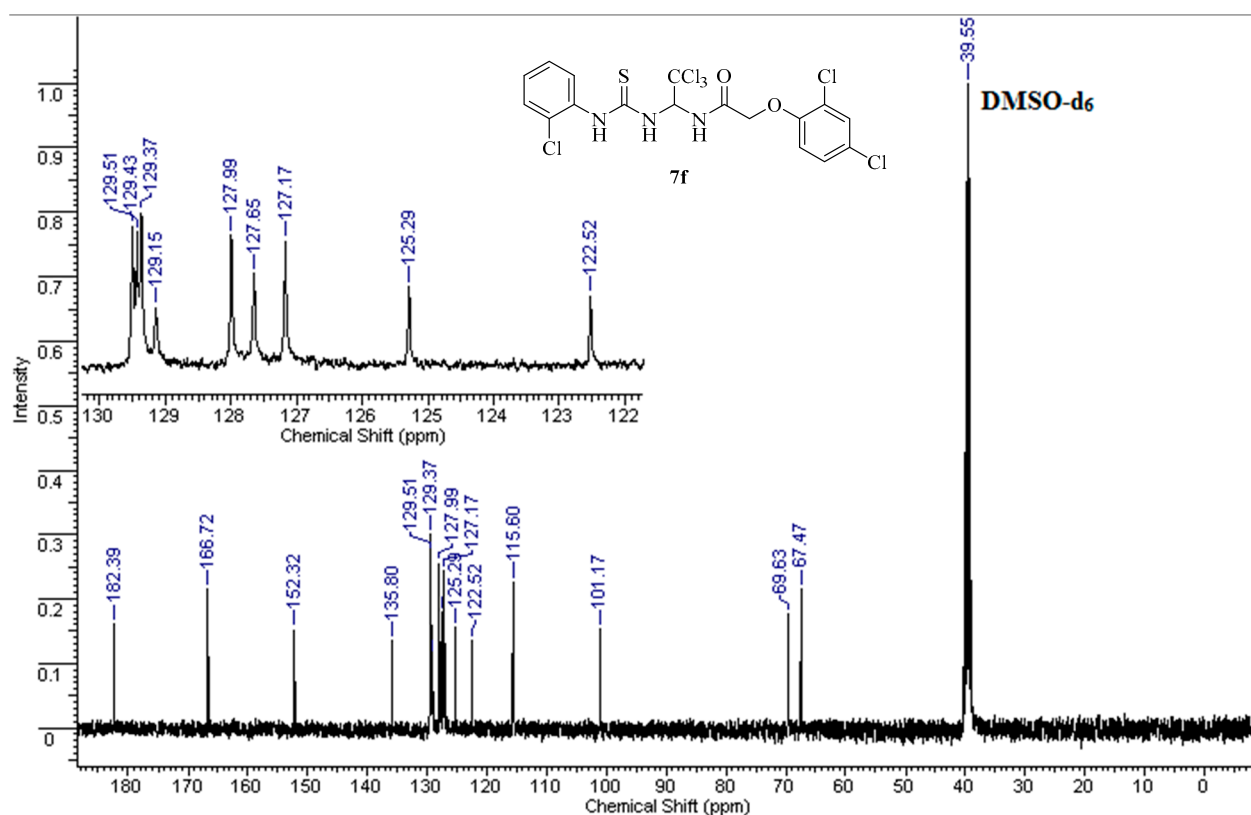


Figure S12. ¹³C NMR (100 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-*N*-(2,2,2-trichloro-1-(3-(2-chlorophenyl)thioureido)ethyl)acetamide (**7f**).

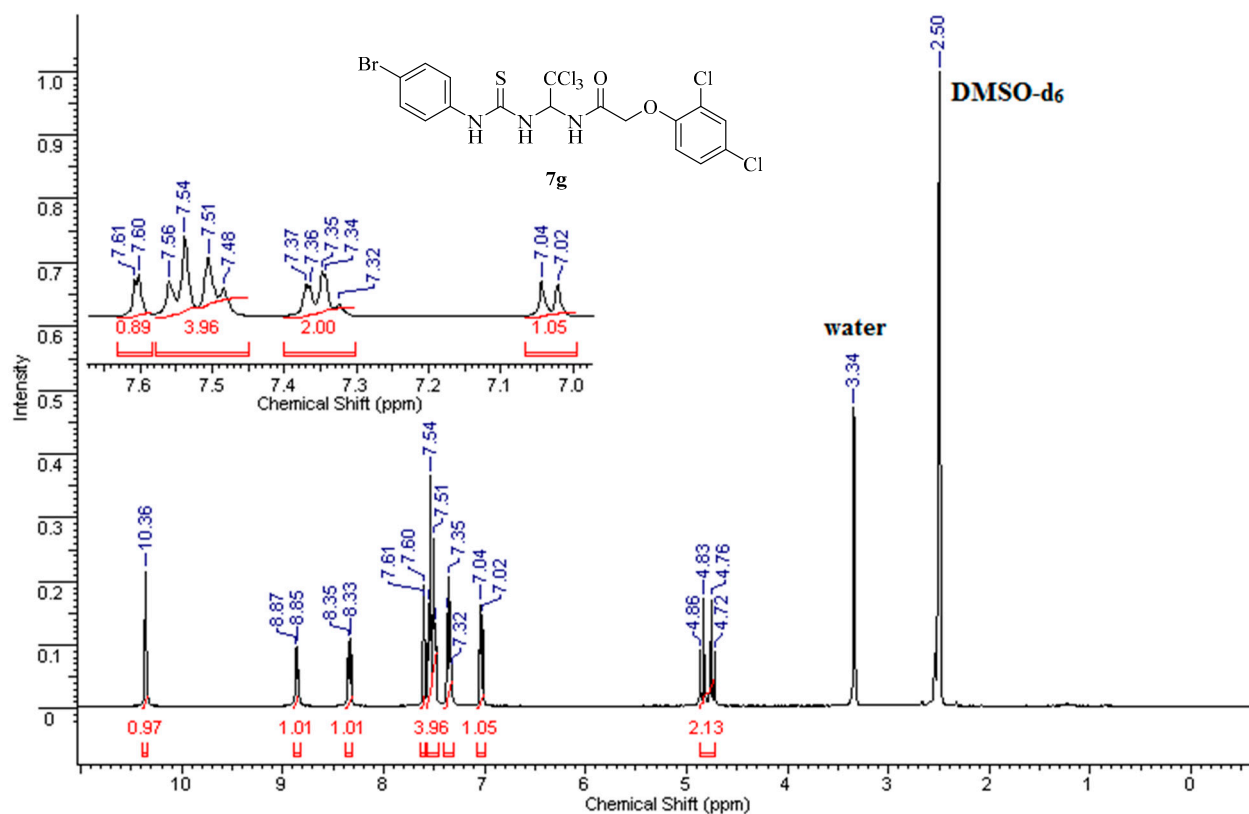


Figure S13. ¹H NMR (400 MHz, DMSO-d₆) spectra of *N*-(1-(3-(4-bromophenyl)thioureido)-2,2,2-trichloroethyl)-2-(2,4-dichlorophenoxy)acetamide (**7g**).

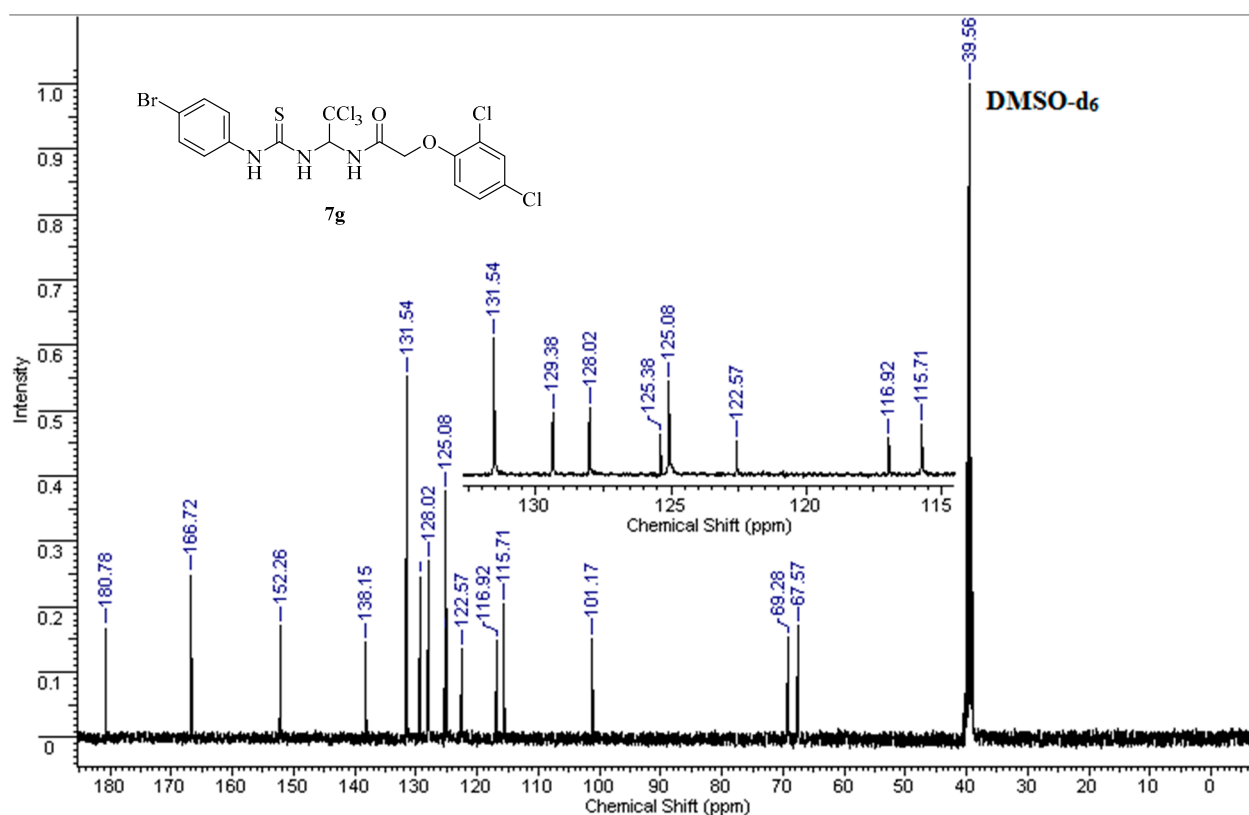


Figure S14. ¹³C NMR (100 MHz, DMSO-d₆) spectra of *N*-(1-(3-(4-bromophenyl)thioureido)-2,2,2-trichloroethyl)-2-(2,4-dichlorophenoxy)acetamide (**7g**).

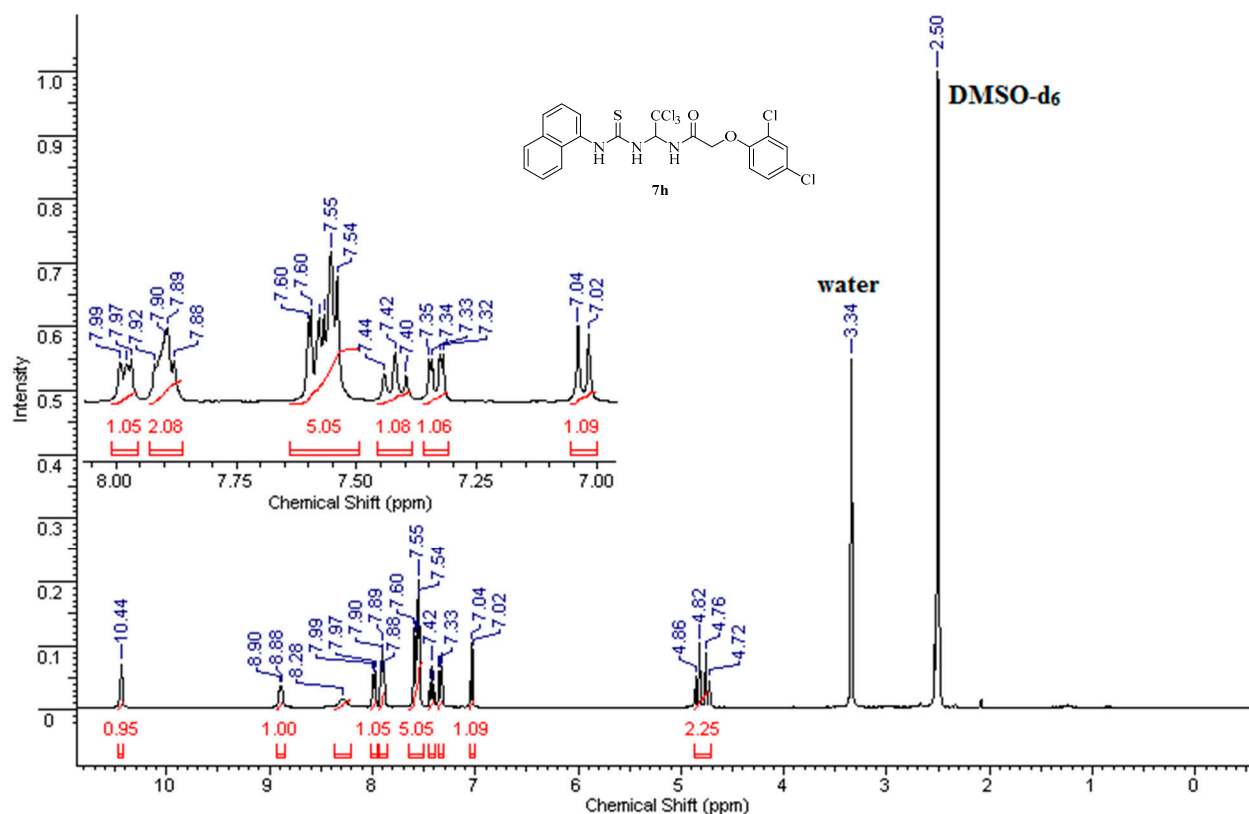


Figure S15. ¹H NMR (400 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-N-(2,2,2-trichloro-1-(3-(naphthalen-1-yl)thioureido)ethyl)acetamide (**7h**).

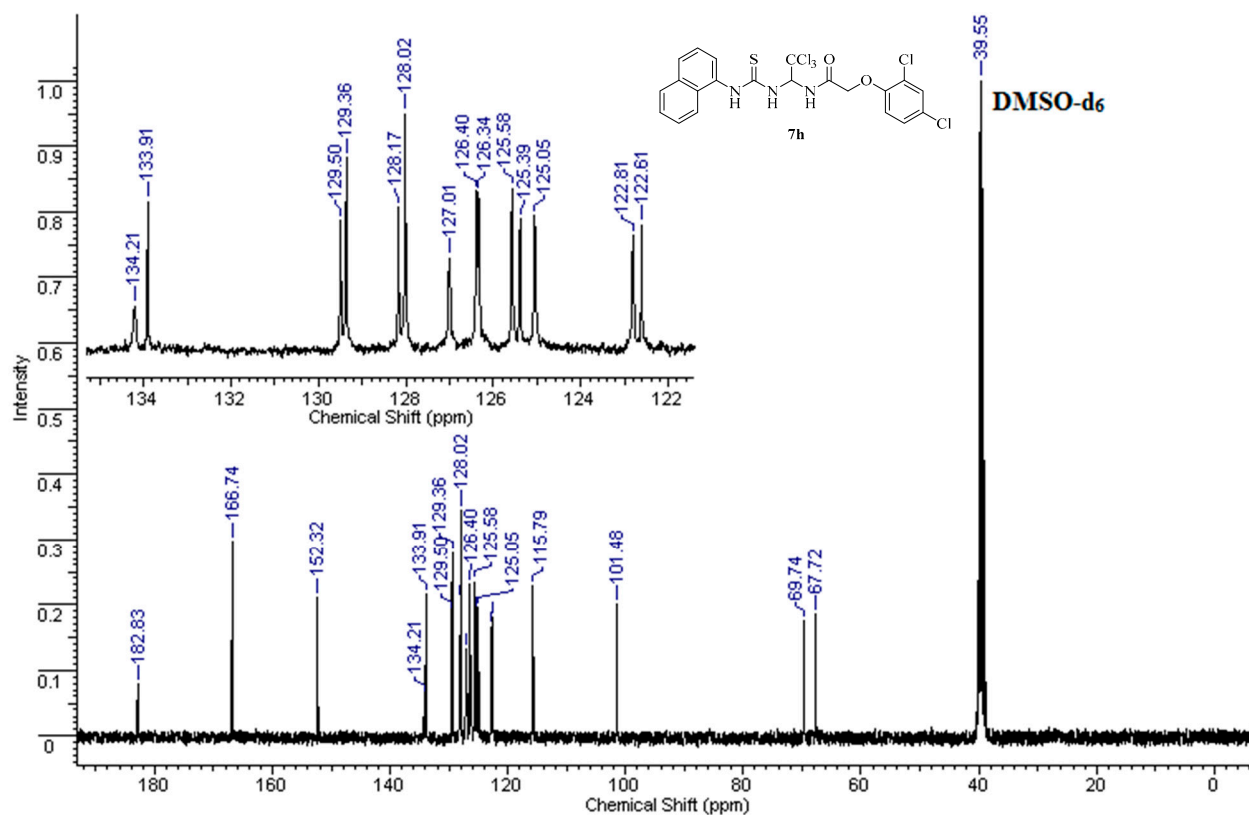


Figure S16. ¹³C NMR (100 MHz, DMSO-d₆) spectra of 2-(2,4-dichlorophenoxy)-N-(2,2,2-trichloro-1-(3-(naphthalen-1-yl)thioureido)ethyl)acetamide (**7h**).