

Supplementary Materials:

5,5'-(Piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one)

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Figure S1. ¹H NMR spectrum of 4-chloro-5-piperazin-1-yl-3*H*-1,2-dithiol-3-one (2).

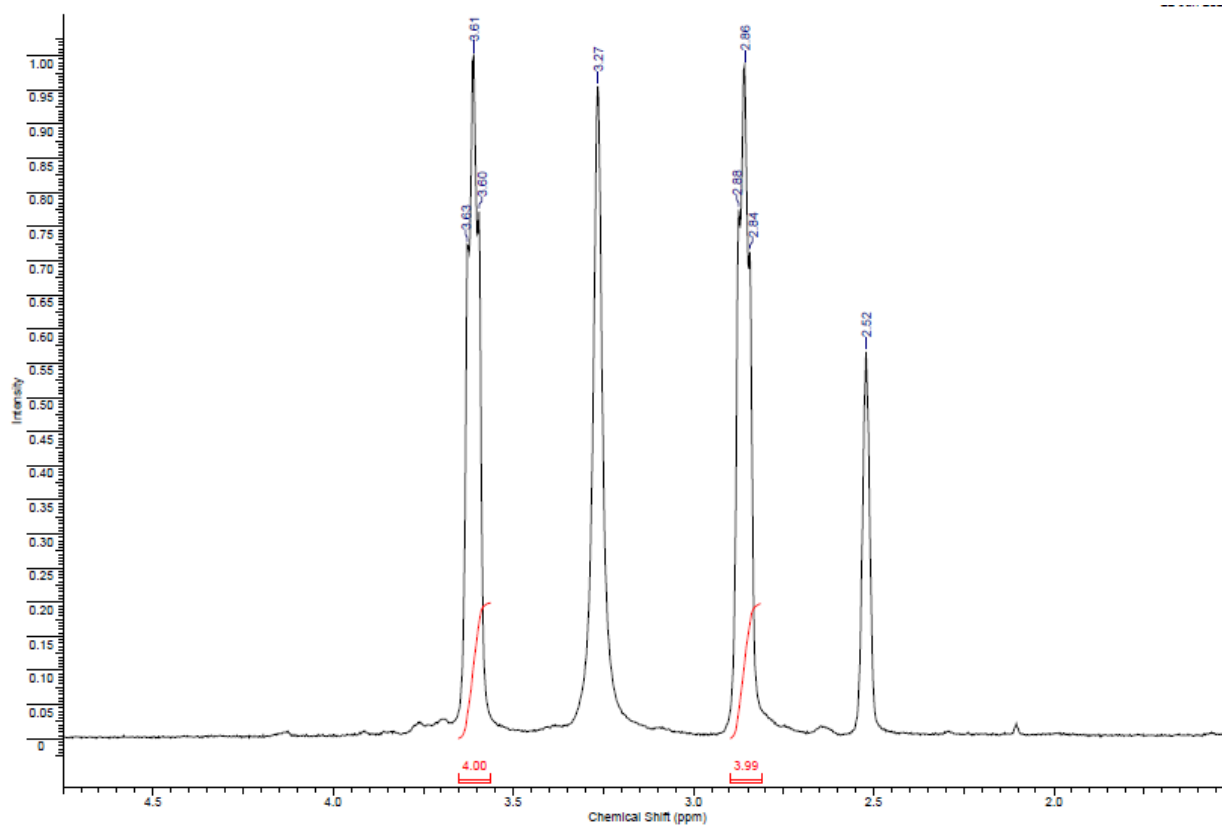


Figure S2. ^{13}C NMR spectrum of 4-chloro-5-piperazin-1-yl-3*H*-1,2-dithiol-3-one (2).

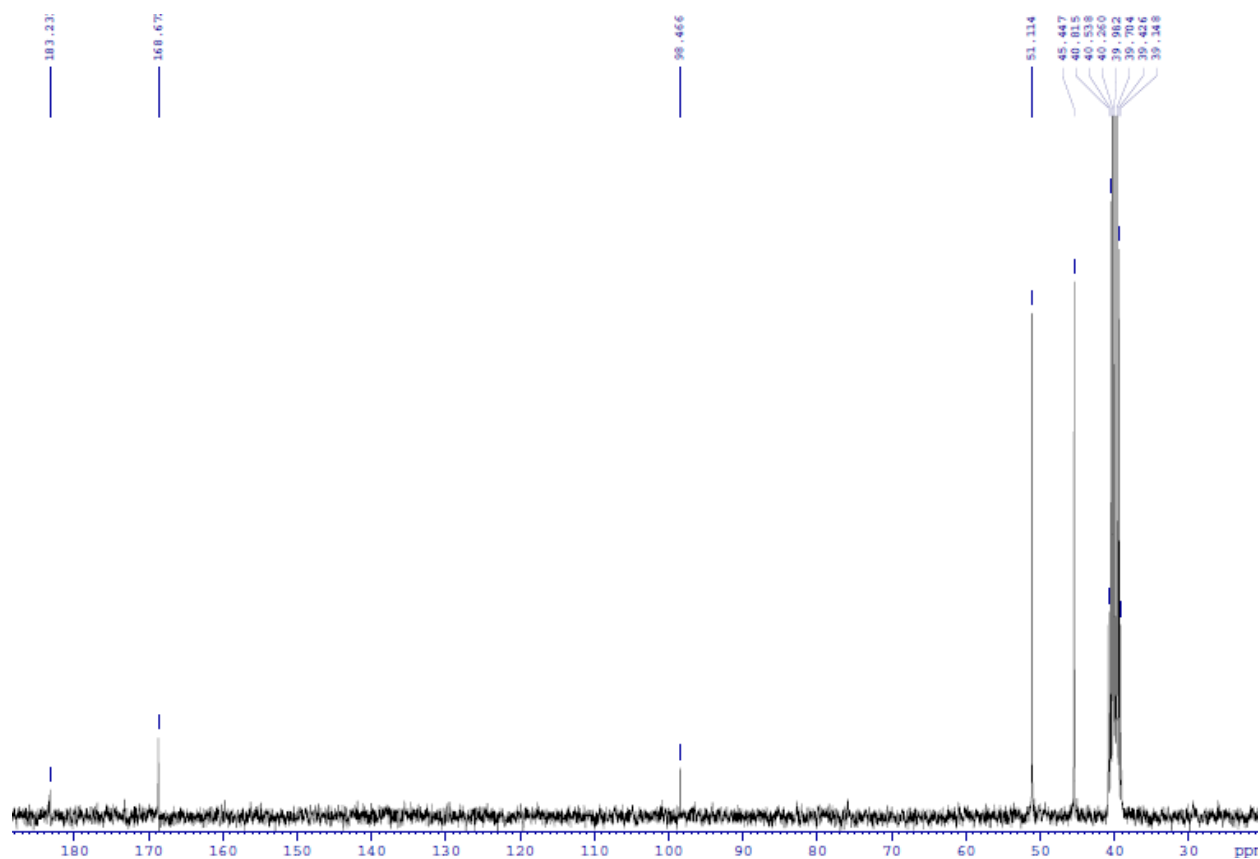


Figure S3. IR spectrum of 4-chloro-5-piperazin-1-yl-3*H*-1,2-dithiol-3-one (2).

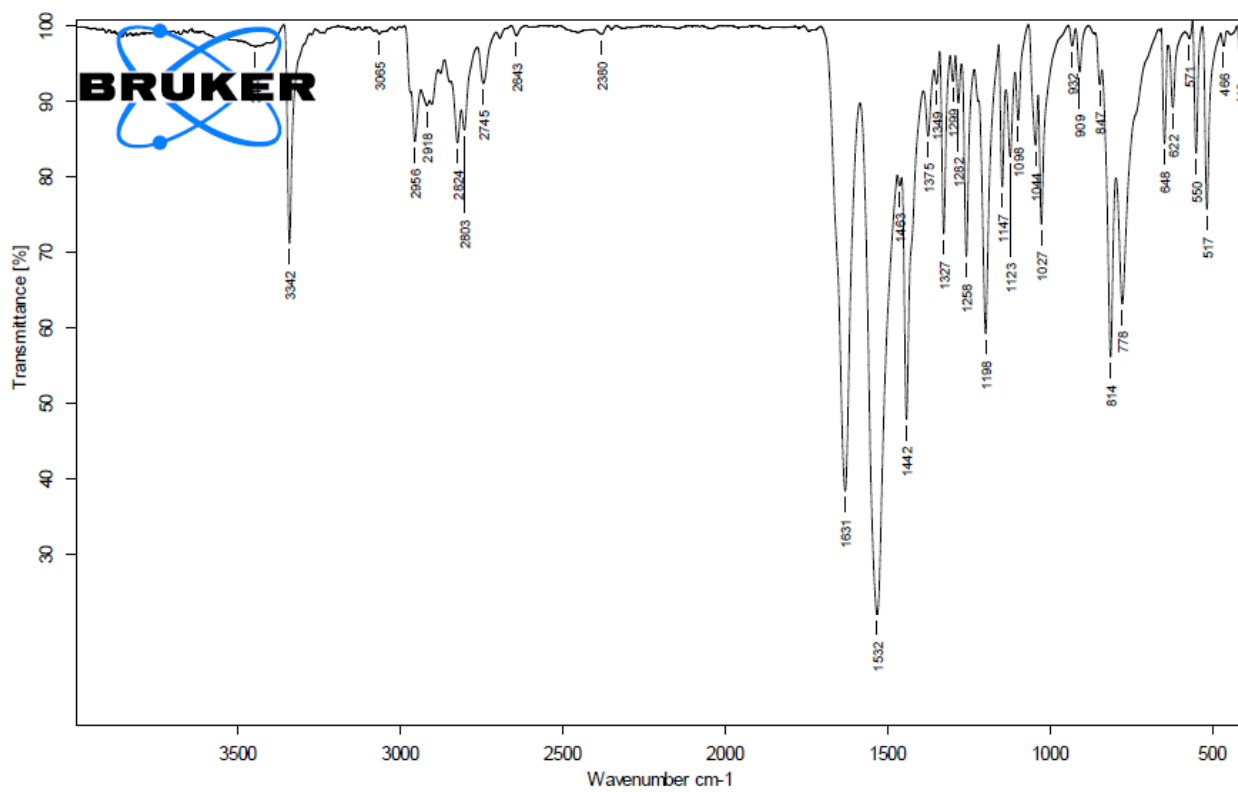


Figure S4. LRMS spectrum of 4-chloro-5-piperazin-1-yl-3*H*-1,2-dithiol-3-one (**2**).

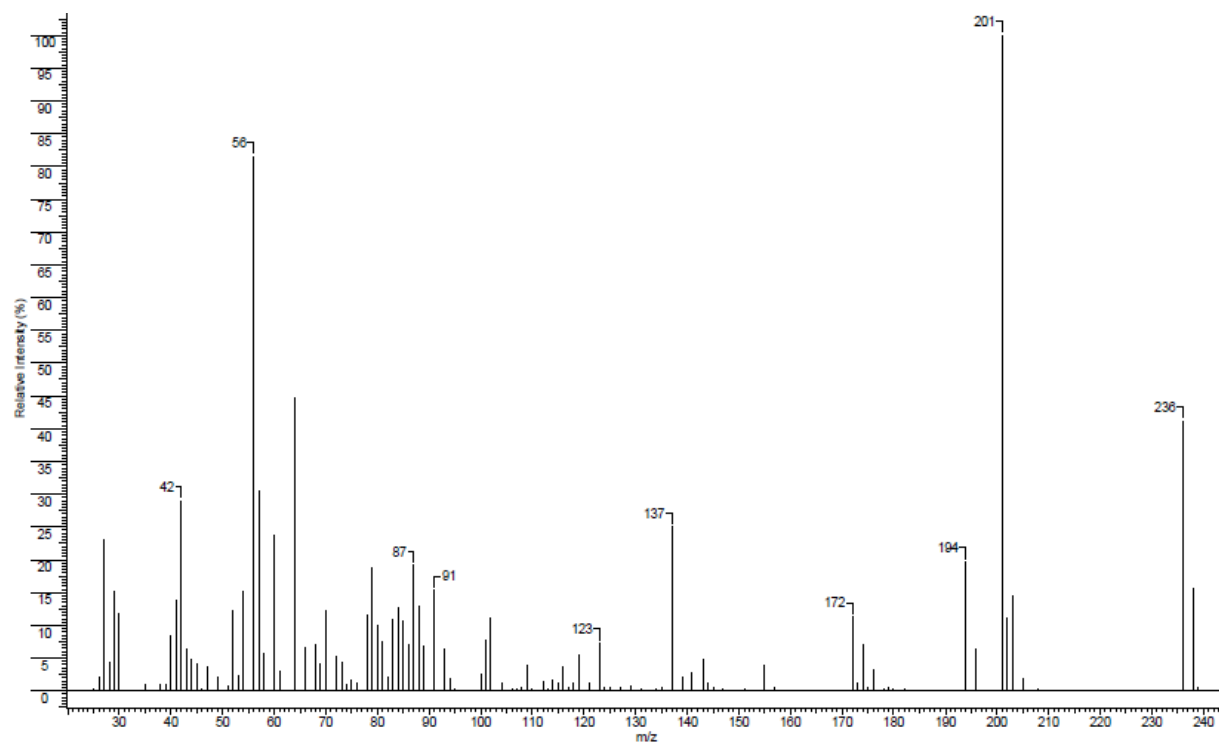


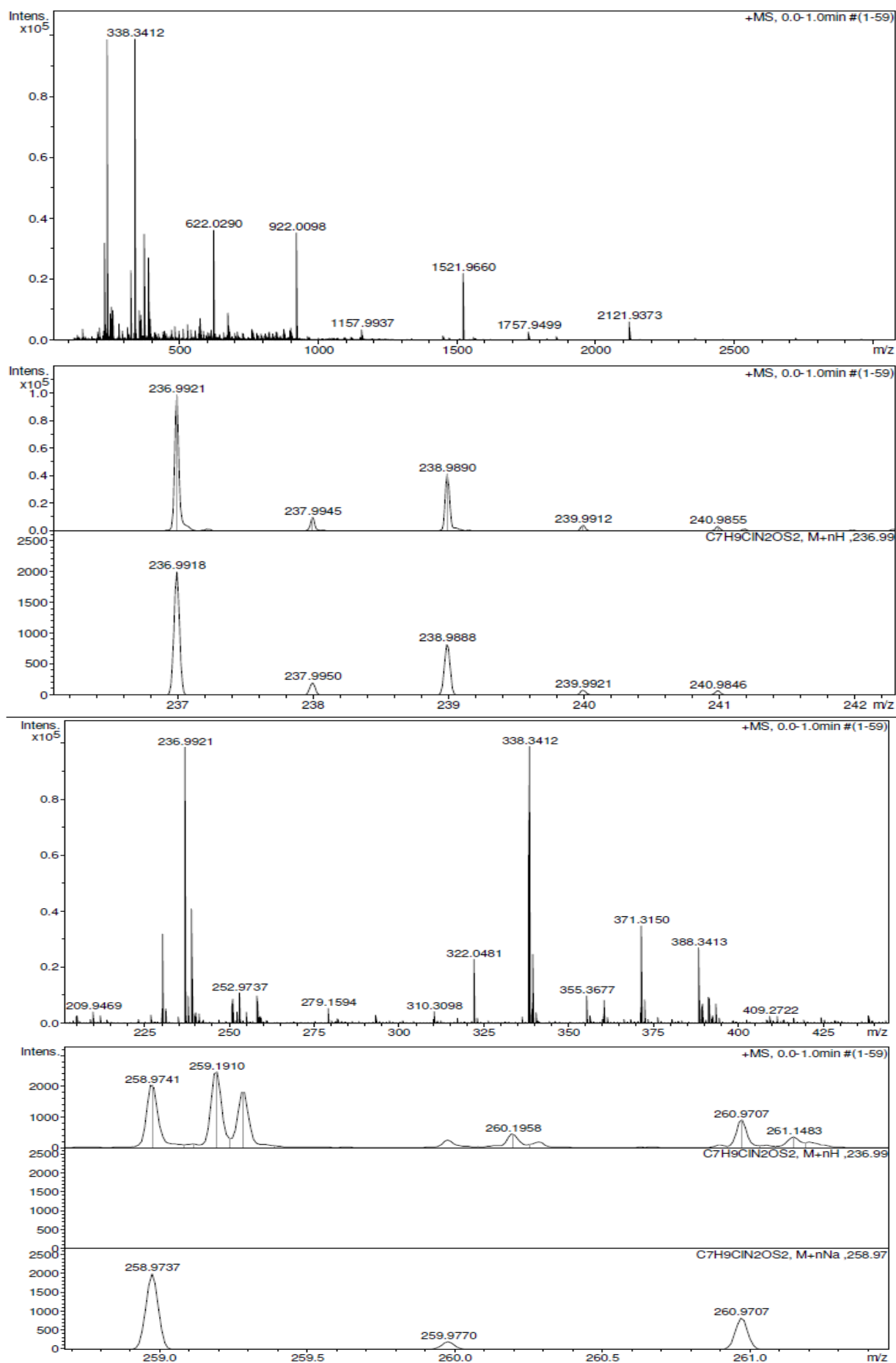
Figure S5. HRMS spectrum of 4-chloro-5-piperazin-1-yl-3*H*-1,2-dithiol-3-one (**2**).

Figure S6. ^1H NMR spectrum of 5,5'-(piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one) (3).

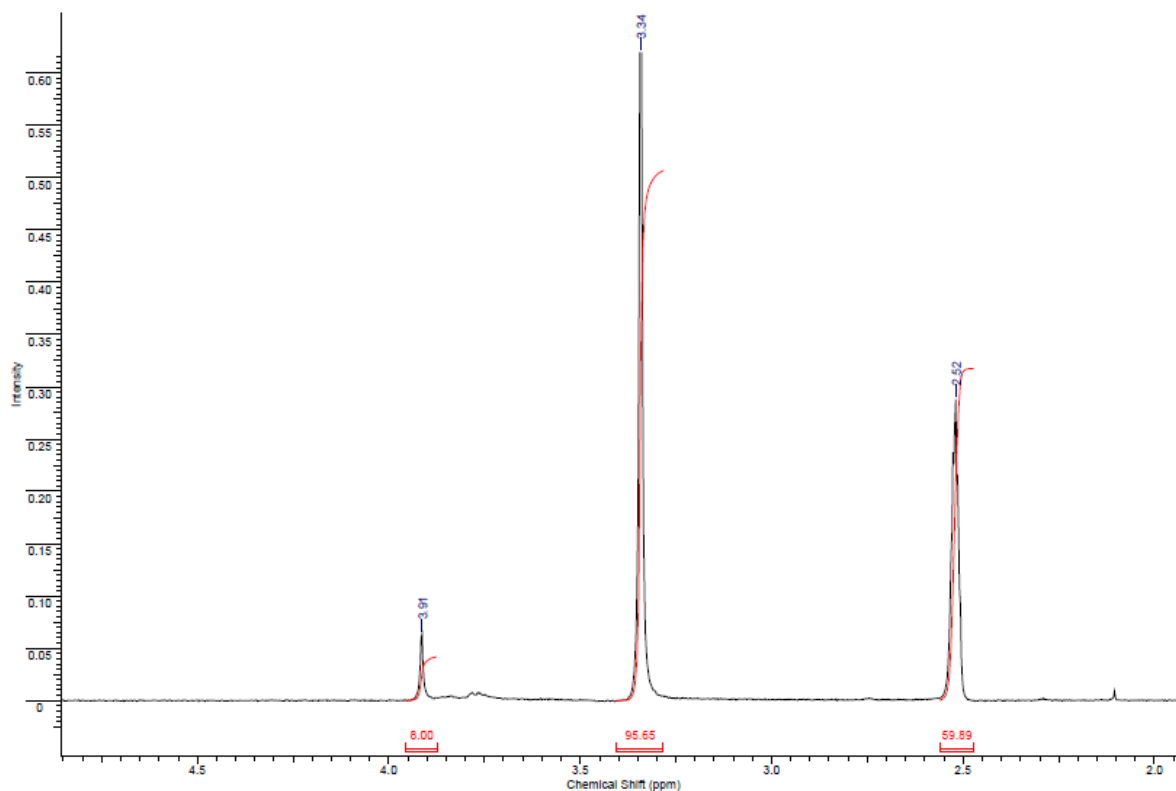


Figure S7. ^{13}C NMR spectrum of 5,5'-(piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one) (3).

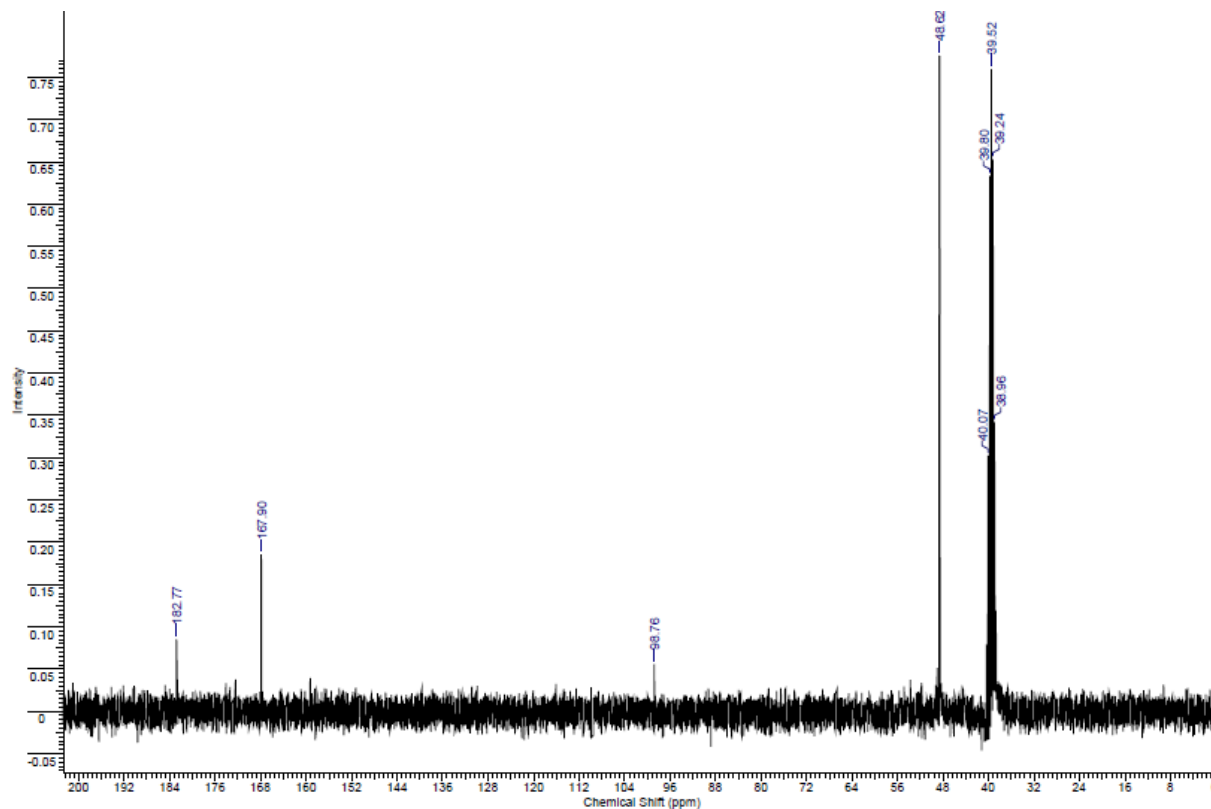


Figure S8. IR spectrum of 5,5'-(piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one) (**3**).

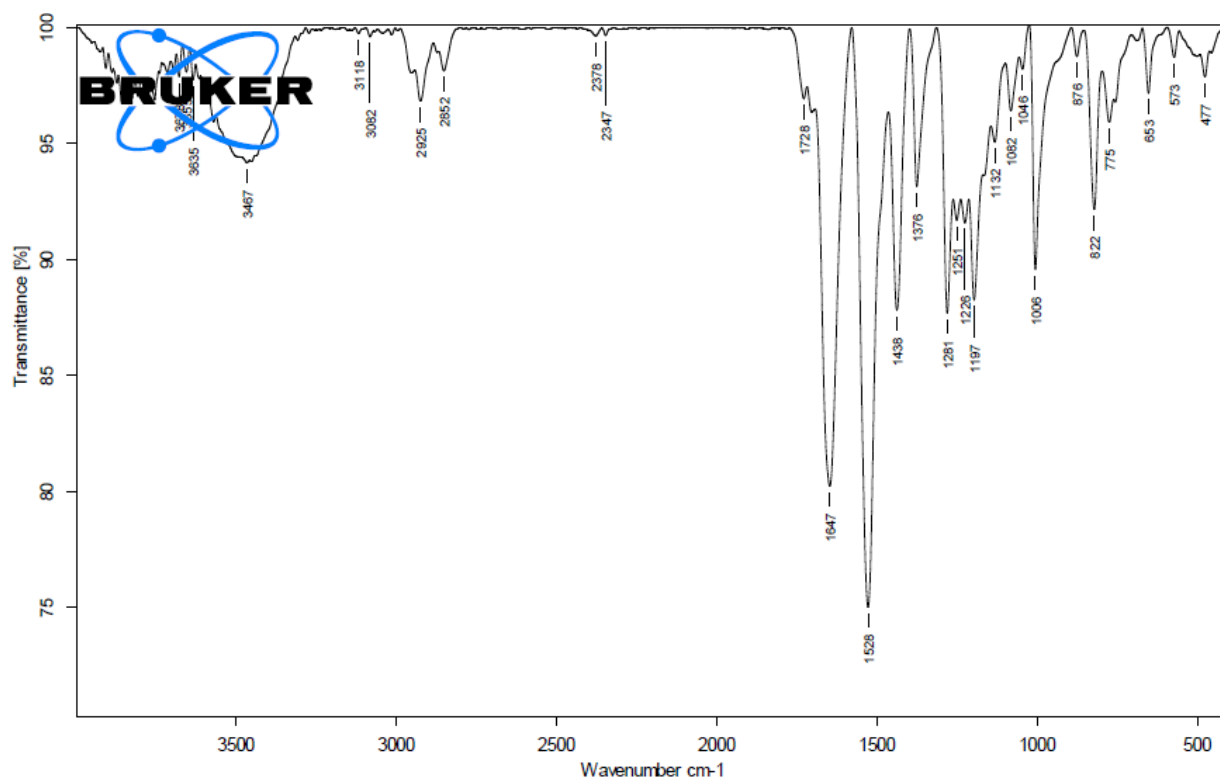


Figure S9. LRMS spectrum of 5,5'-(piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one) (**3**).

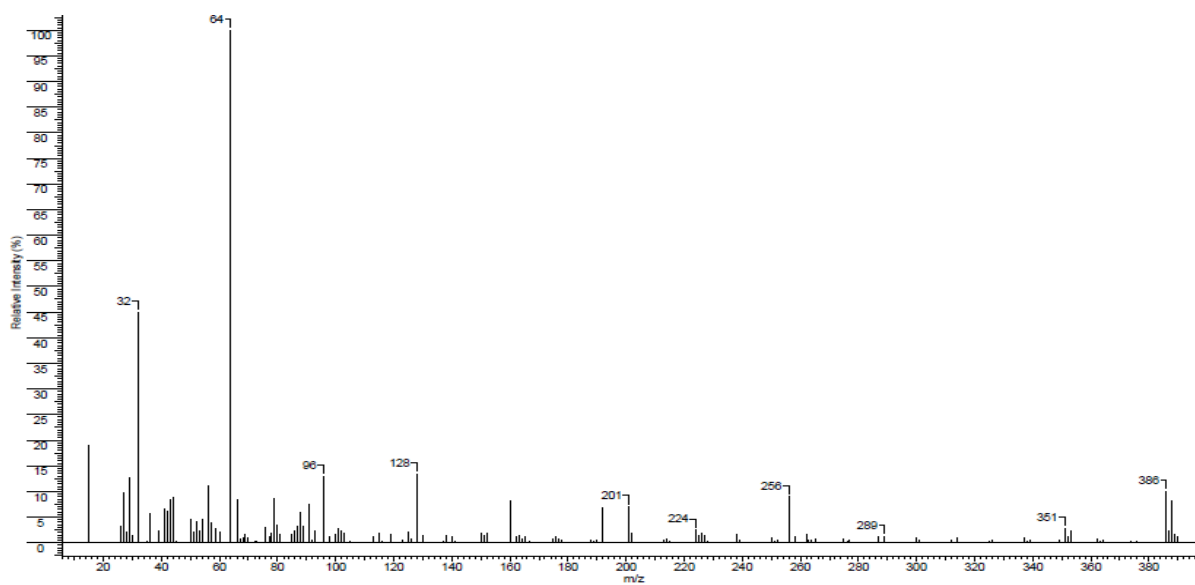


Figure S10. HRMS spectrum of 5,5'-(piperazine-1,4-diyl)bis(4-chloro-3*H*-1,2-dithiol-3-one) (**3**).

