

SUPPORTING INFORMATION

A novel H₂S releasing-monastrol hybrid (MADTOH) inhibits L-type calcium channels

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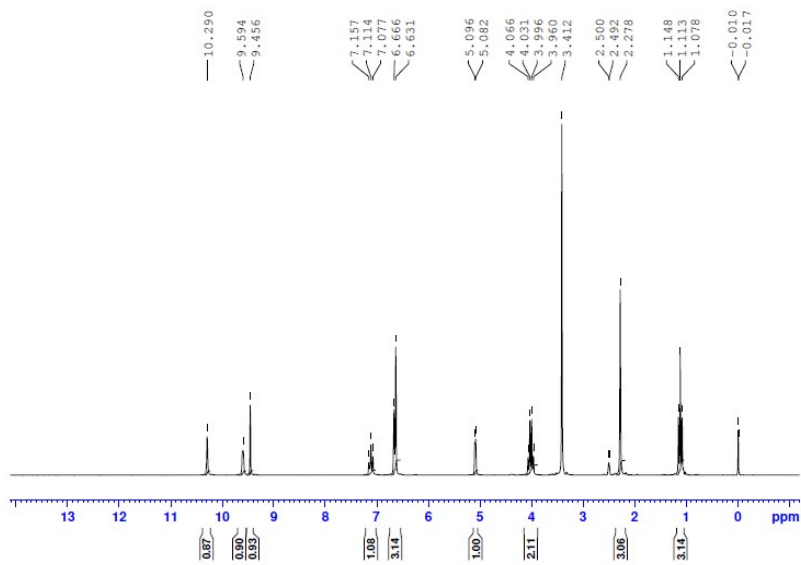


Figure S1. ^1H spectrum of monastrol (**M**) (200 MHz, $\text{DMSO-}d_6$).

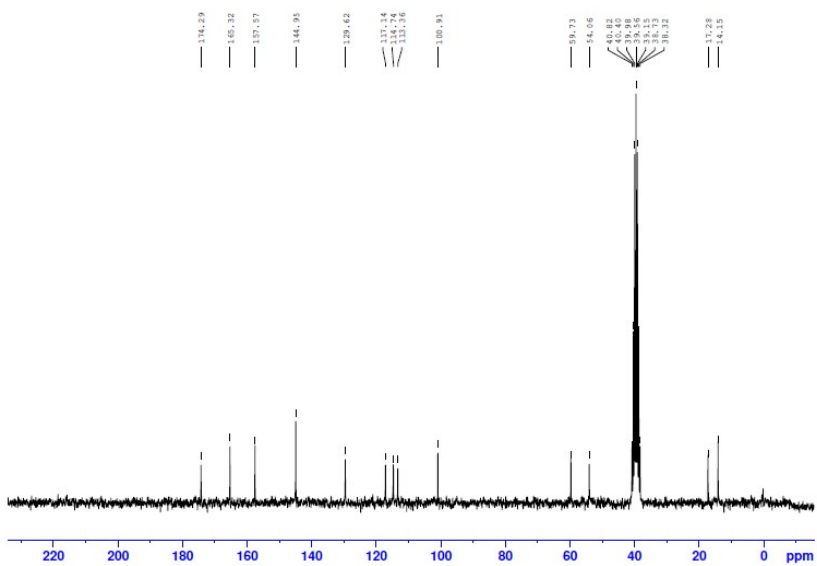


Figure S2. ^{13}C spectrum of monastrol (**M**) (50 MHz, $\text{DMSO-}d_6$).

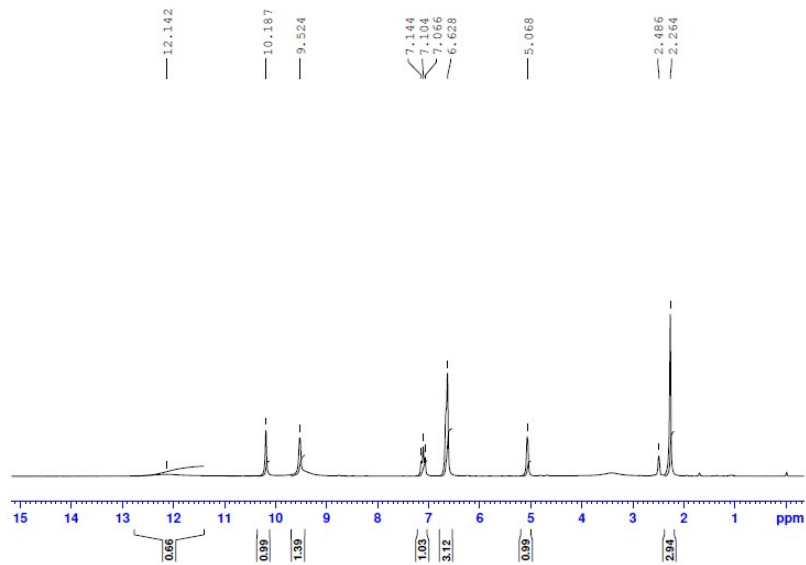


Figure S3. ^1H spectrum of 4-(3-hydroxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid (**4**) (200 MHz, $\text{DMSO-}d_6$).

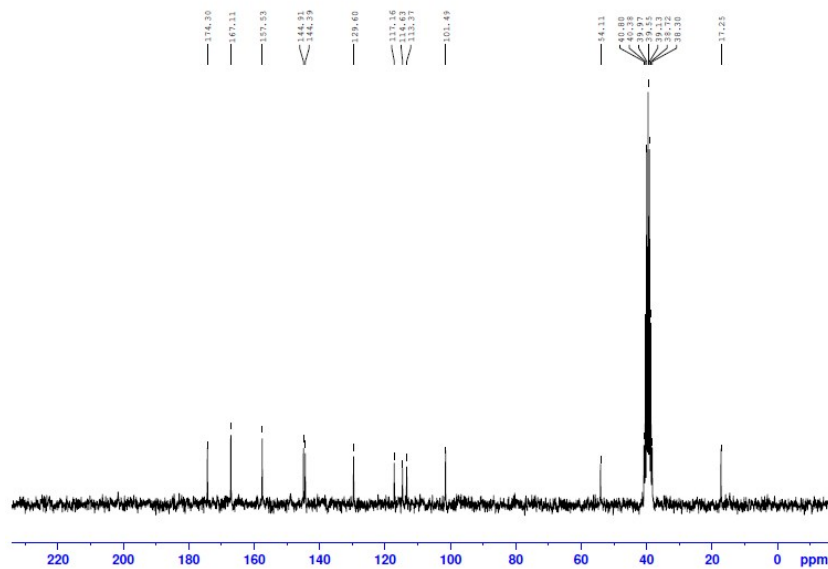


Figure S4. ^{13}C spectrum of 4-(3-hydroxyphenyl)-6-methyl-2-thioxo-1,2,3,4-tetrahydropyrimidine-5-carboxylic acid (**4**) (50 MHz, $\text{DMSO-}d_6$).

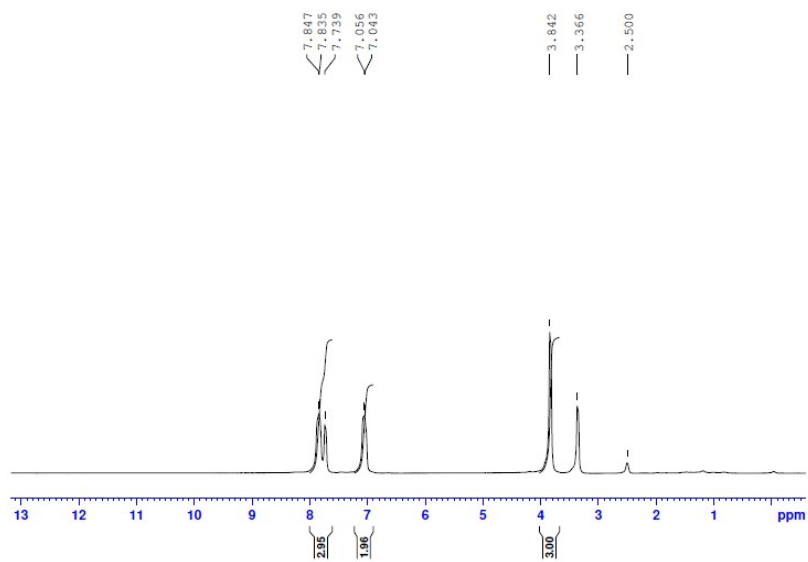


Figure S5. ^1H spectrum of 5-(4-methoxyphenyl)-3*H*-1,2-dithiole-3-thione (**9**) (200 MHz, $\text{DMSO-}d_6$).

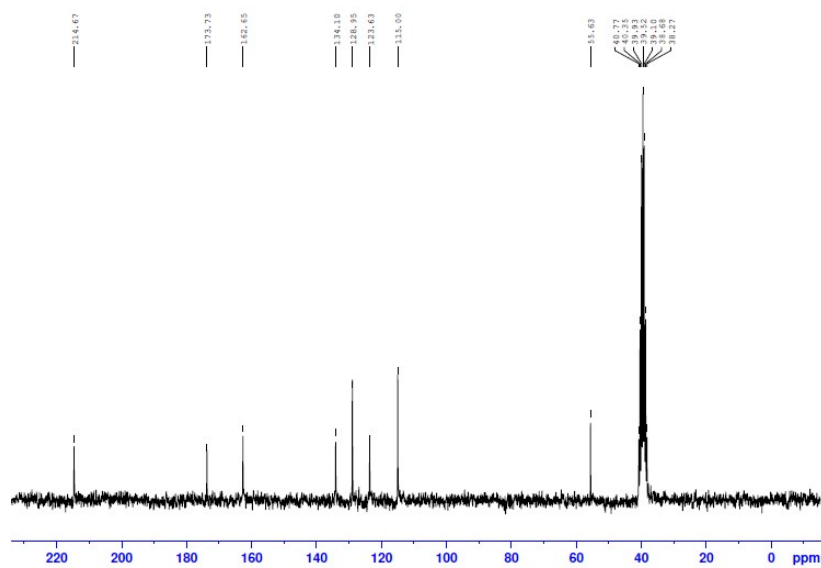


Figure S6. ^{13}C spectrum of 5-(4-methoxyphenyl)-3*H*-1,2-dithiole-3-thione (**9**) (50 MHz, $\text{DMSO-}d_6$).

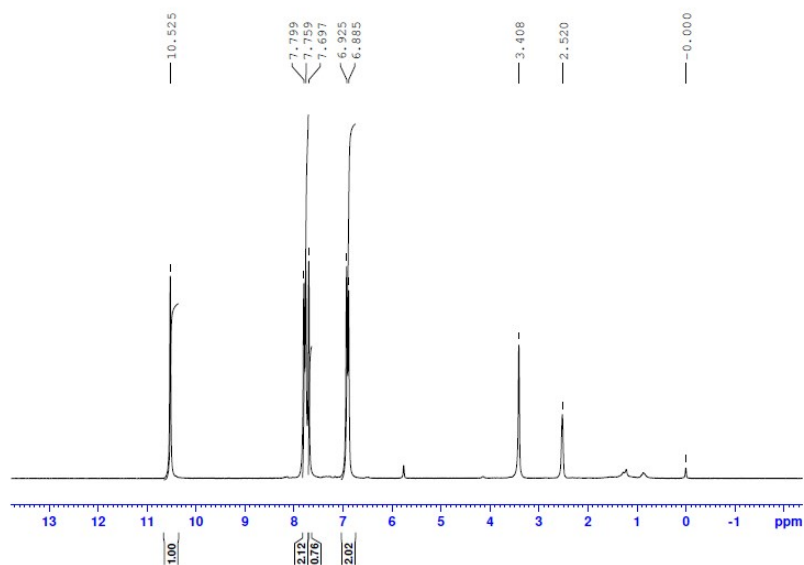


Figure S7. ^1H spectrum of 5-(4-hydroxyphenyl)-3*H*-1,2-dithiole-3-thione (**ADTOH**) (200 MHz, $\text{DMSO-}d_6$).

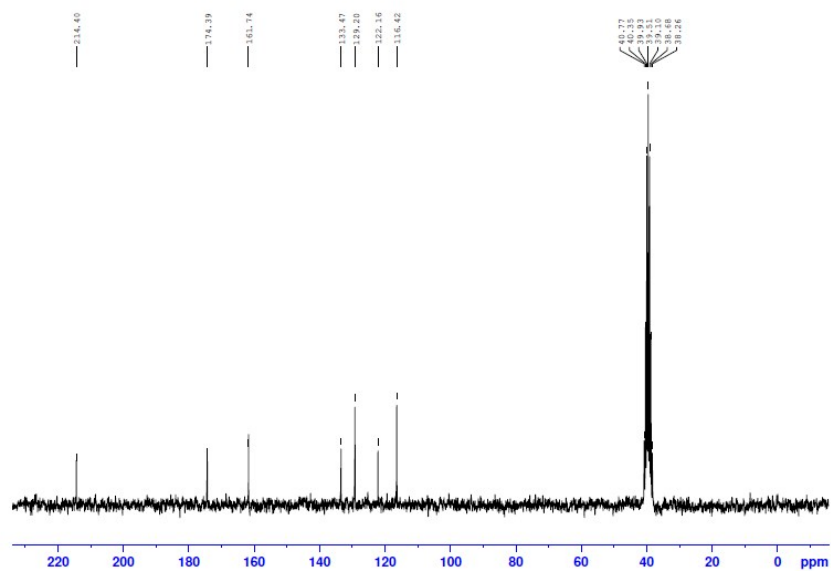


Figure S8. ^{13}C spectrum of 5-(4-hydroxyphenyl)-3*H*-1,2-dithiole-3-thione (**ADTOH**) (50 MHz, $\text{DMSO-}d_6$).

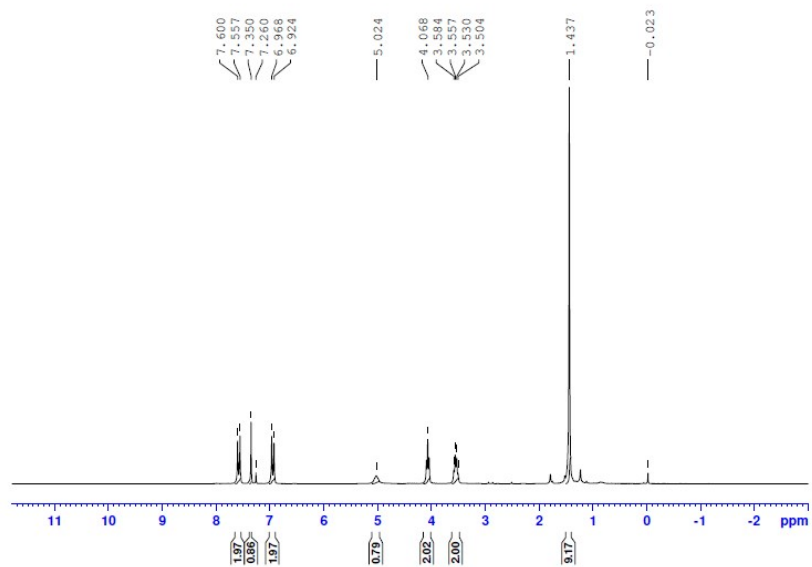


Figure S9. ¹H spectrum of *tert*-butyl(2-(4-(3-thioxo-3H-1,2-dithiol-5-yl)phenoxy)ethyl)carbamate (**10**) (200 MHz, CDCl₃).

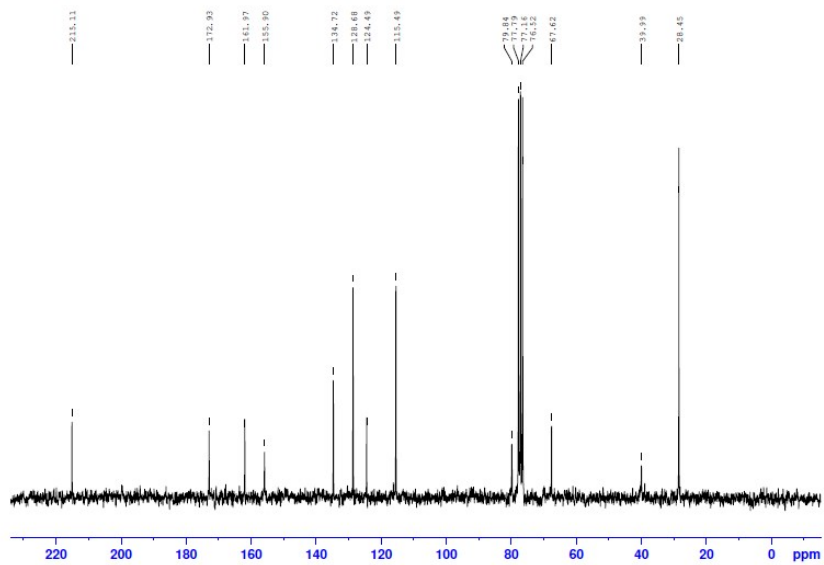


Figure S10. ¹³C spectrum of *tert*-butyl(2-(4-(3-thioxo-3H-1,2-dithiol-5-yl)phenoxy)ethyl)carbamate (**10**) (50 MHz, CDCl₃).

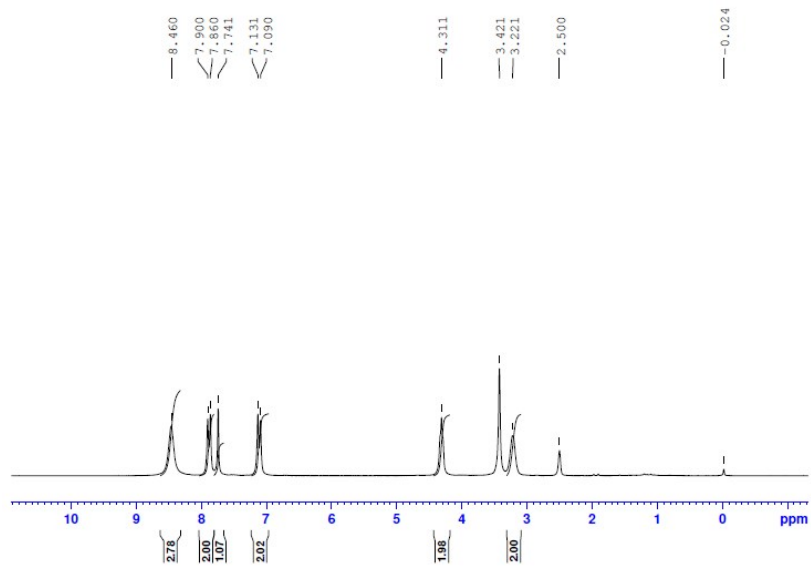


Figure S11. ^1H spectrum of 5-(4-(2-aminoethoxy)phenyl)-3H-1,2-dithiole-3-thione hydrochloride (**11**) (200 MHz, $\text{DMSO-}d_6$).

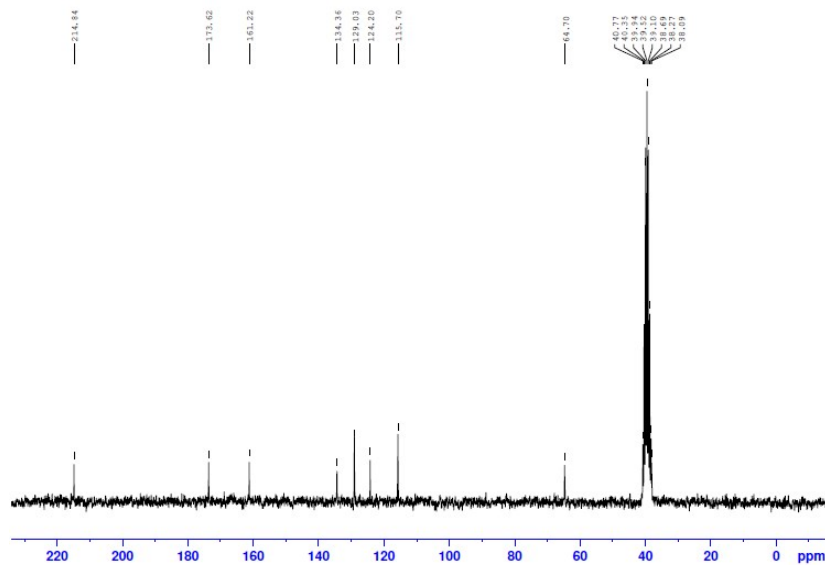


Figure S12. ^{13}C spectrum of 5-(4-(2-aminoethoxy)phenyl)-3H-1,2-dithiole-3-thione hydrochloride (**11**) (50 MHz, $\text{DMSO-}d_6$).

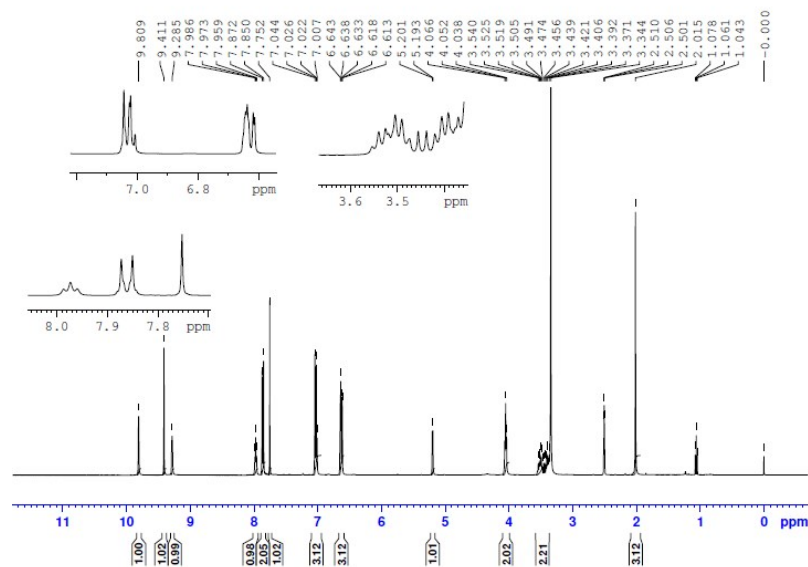


Figure S13. ^1H spectrum of 4-(3-hydroxyphenyl)-6-methyl-2-thioxo-*N*-(2-(4-(3-thioxo-3*H*-1,2-dithiol-5-yl)phenoxy)ethyl)-1,2,3,4-tetrahydropyrimidine-5-carboxamide (**MADTOH**) (200 MHz, $\text{DMSO-}d_6$).

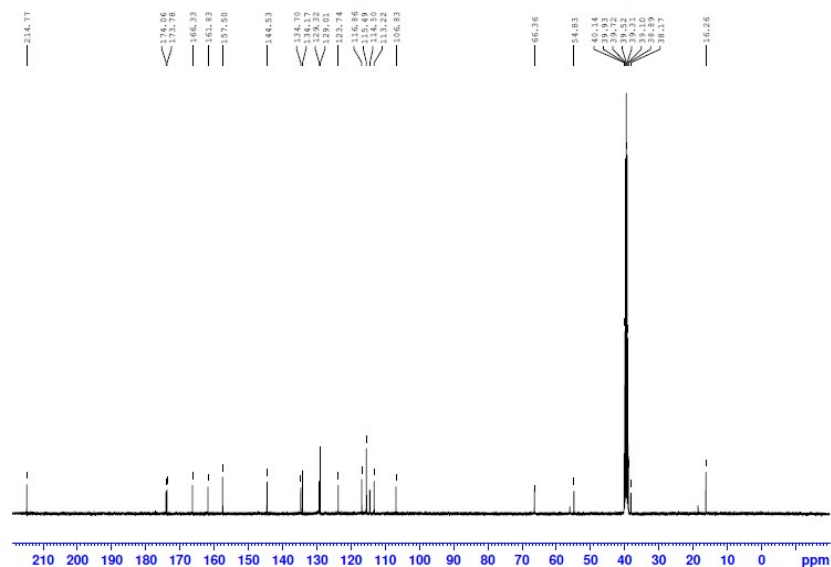


Figure S14. ^{13}C spectrum of 4-(3-hydroxyphenyl)-6-methyl-2-thioxo-*N*-(2-(4-(3-thioxo-3*H*-1,2-dithiol-5-yl)phenoxy)ethyl)-1,2,3,4-tetrahydropyrimidine-5-carboxamide (**MADTOH**) (50 MHz, $\text{DMSO-}d_6$).