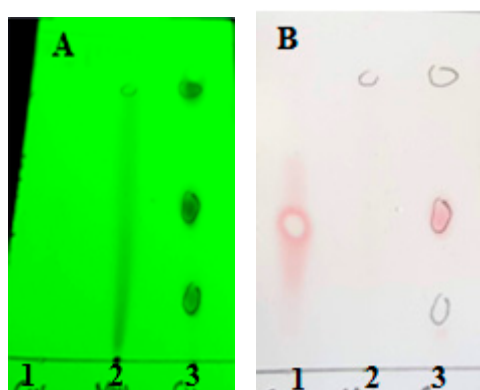
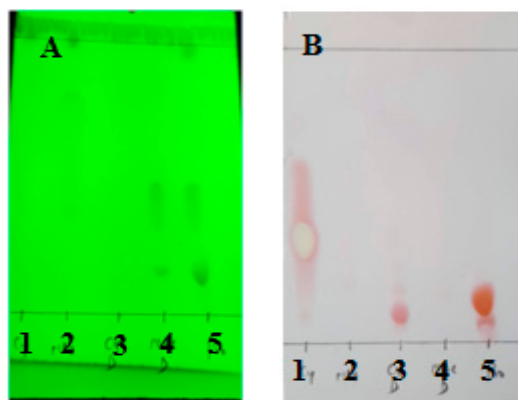


Supplementary Data



**Figure S1.** TLC of Cys-MNA disulfide; (A) under UV, (B) ninhydrin spray; (1) Cys, (2) MNA and (3) reaction mixture.



**Figure S2.** TLC of Cys-NAC disulfide; (A) under UV, (B) ninhydrin spray; (1) Cys, (2) Cys dimer, (3) NAC, (4) NAC dimer and (5) reaction mixture.

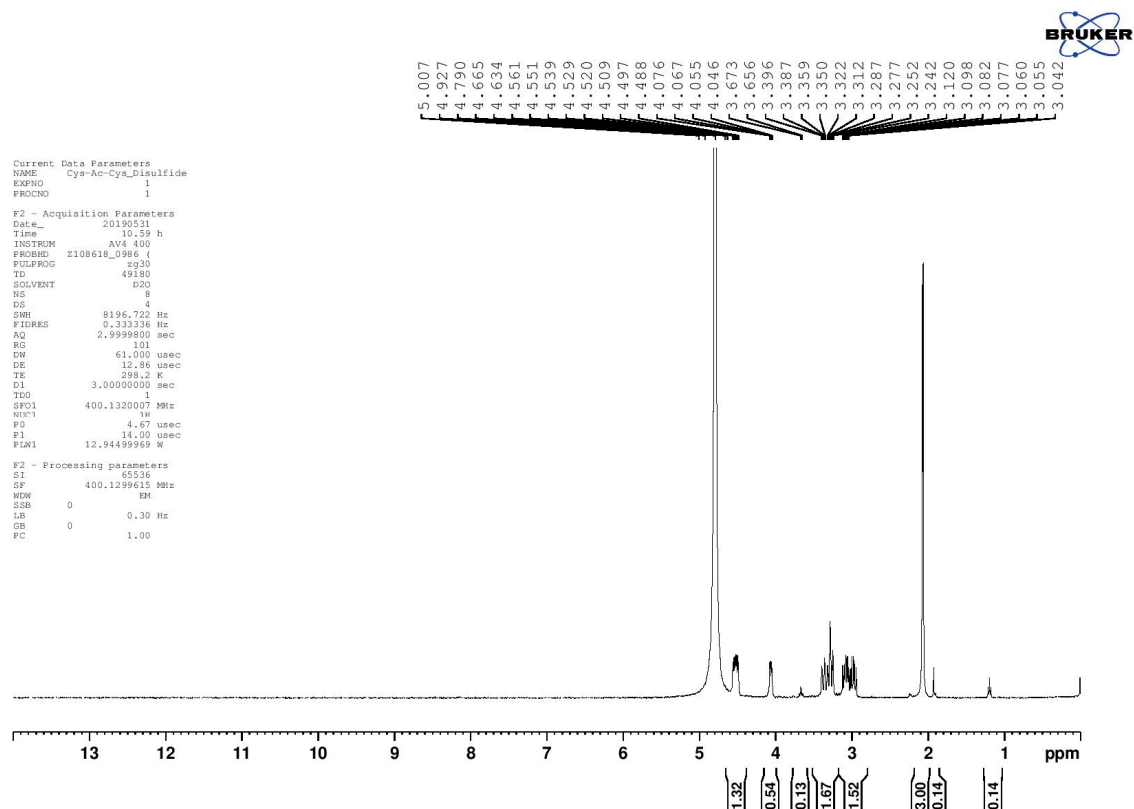


Figure S3.  $^1\text{H}$ -NMR spectrum of Cys-NAC

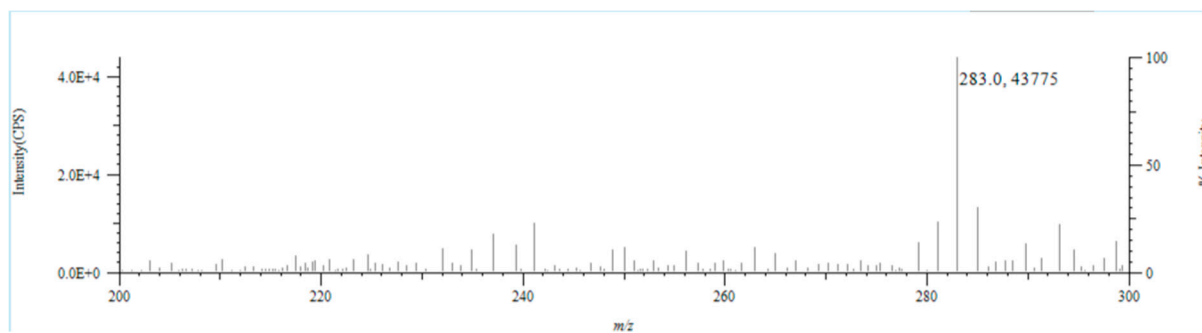


Figure S4. Mass spectrum of Cys-NAC disulfide determined by LC-MS with positive ESI mode