

## Supplement Material

### I. Chromatograms of N-Acetylcysteine forced degradation

Figure S1. Heat (80 °C, 3 h)

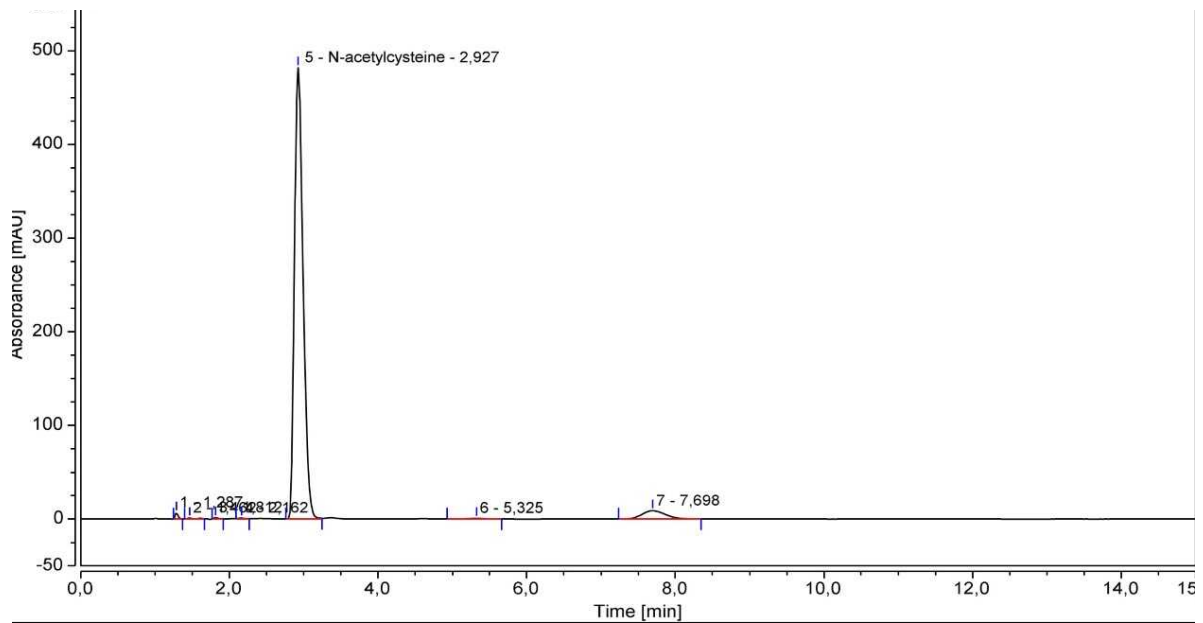
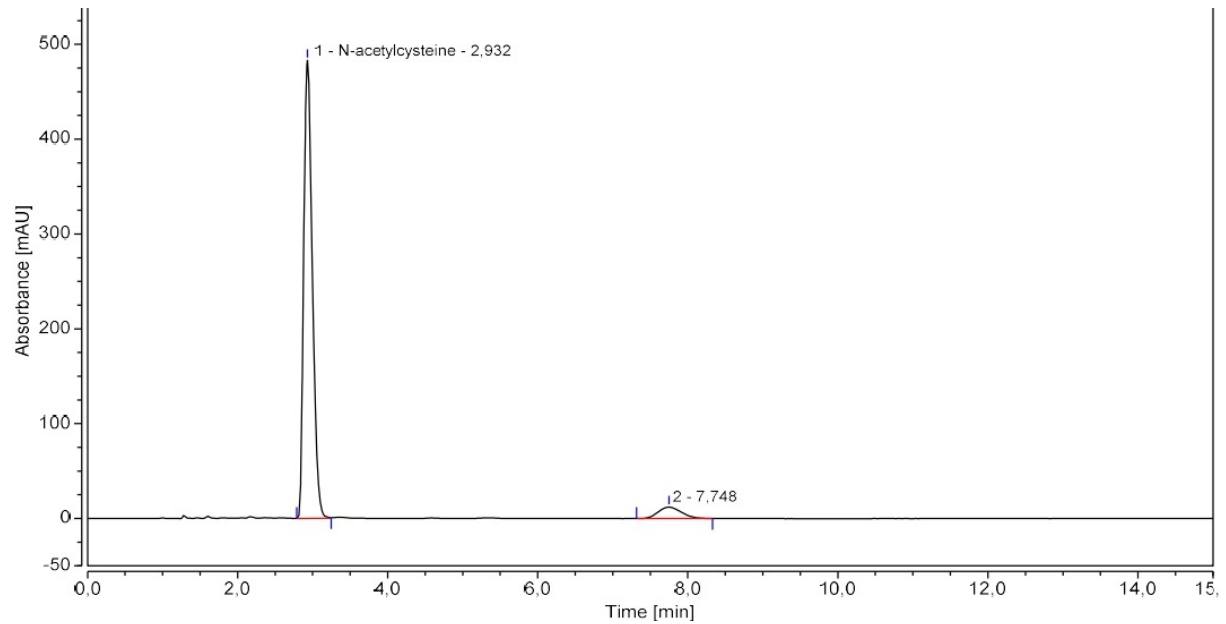
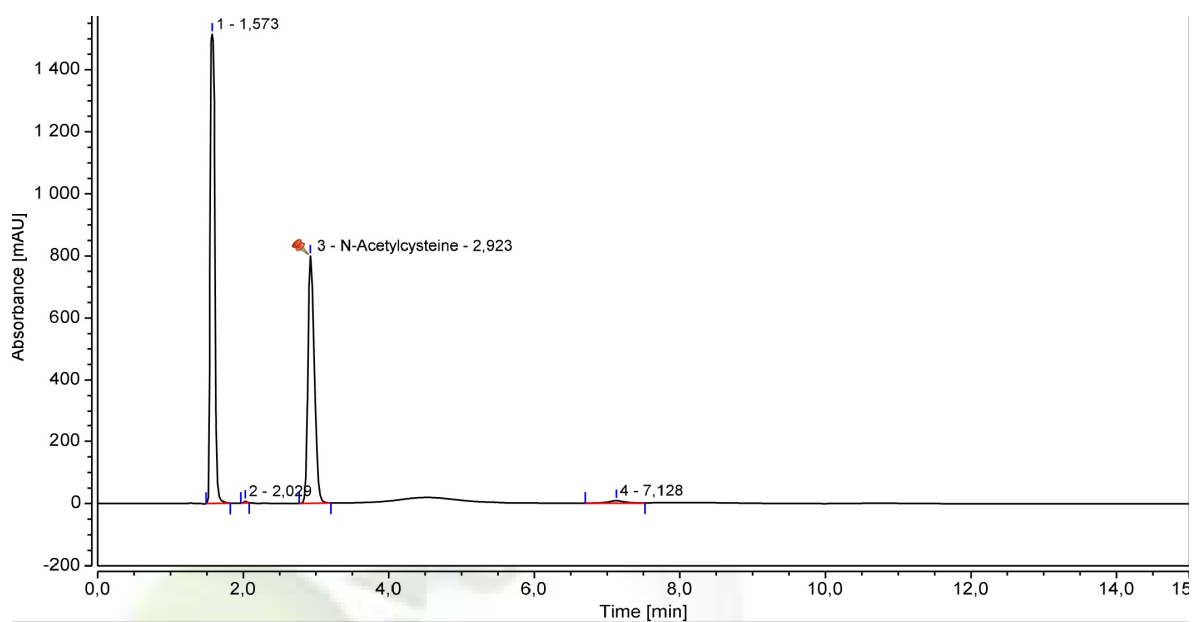


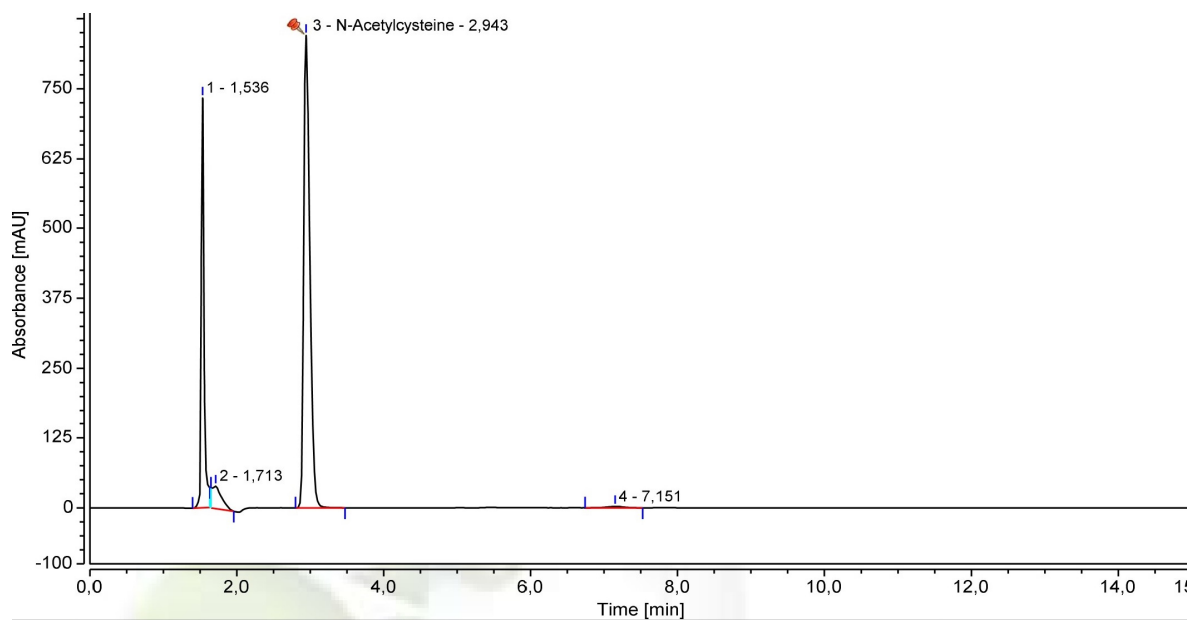
Figure S2. Light (sunlamp, 28 days)



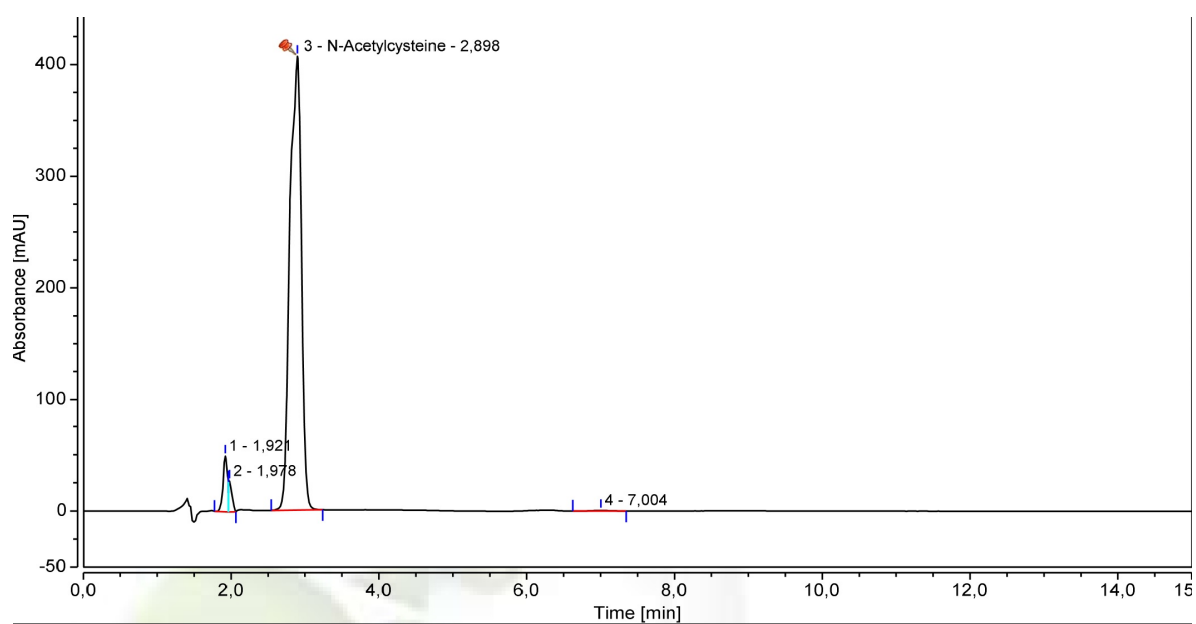
**Figure S3. Oxidation ( $\text{H}_2\text{O}_2$  0.3 %, 3 h)**



**Figure S4. Acid (HCl 0.5 M, 1 min)**



**Figure S5. Alkaline (NaOH 0.1 M, 10 min)**



## II. Chromatogram of N-Acetylcysteine dimer

