Electronic Supplementary Information

Bioisosteric OH- to SH- replacement changes the antioxidant profile of ferulic acid

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Additional figures

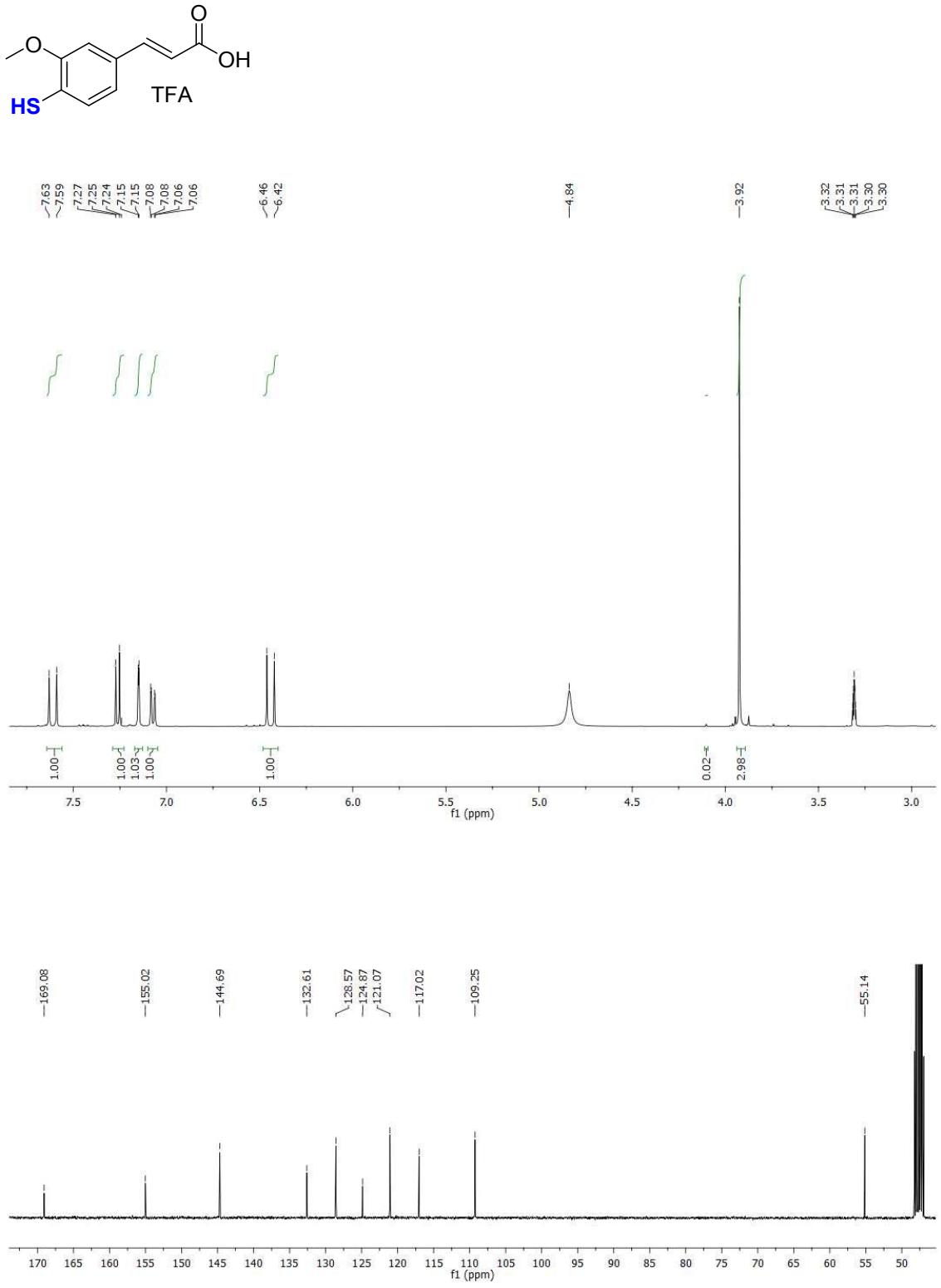

Figure S1. ^{1}H and ^{13}C NMR spectra of TFA (NMR spectra obtained in MeOD-d_4)

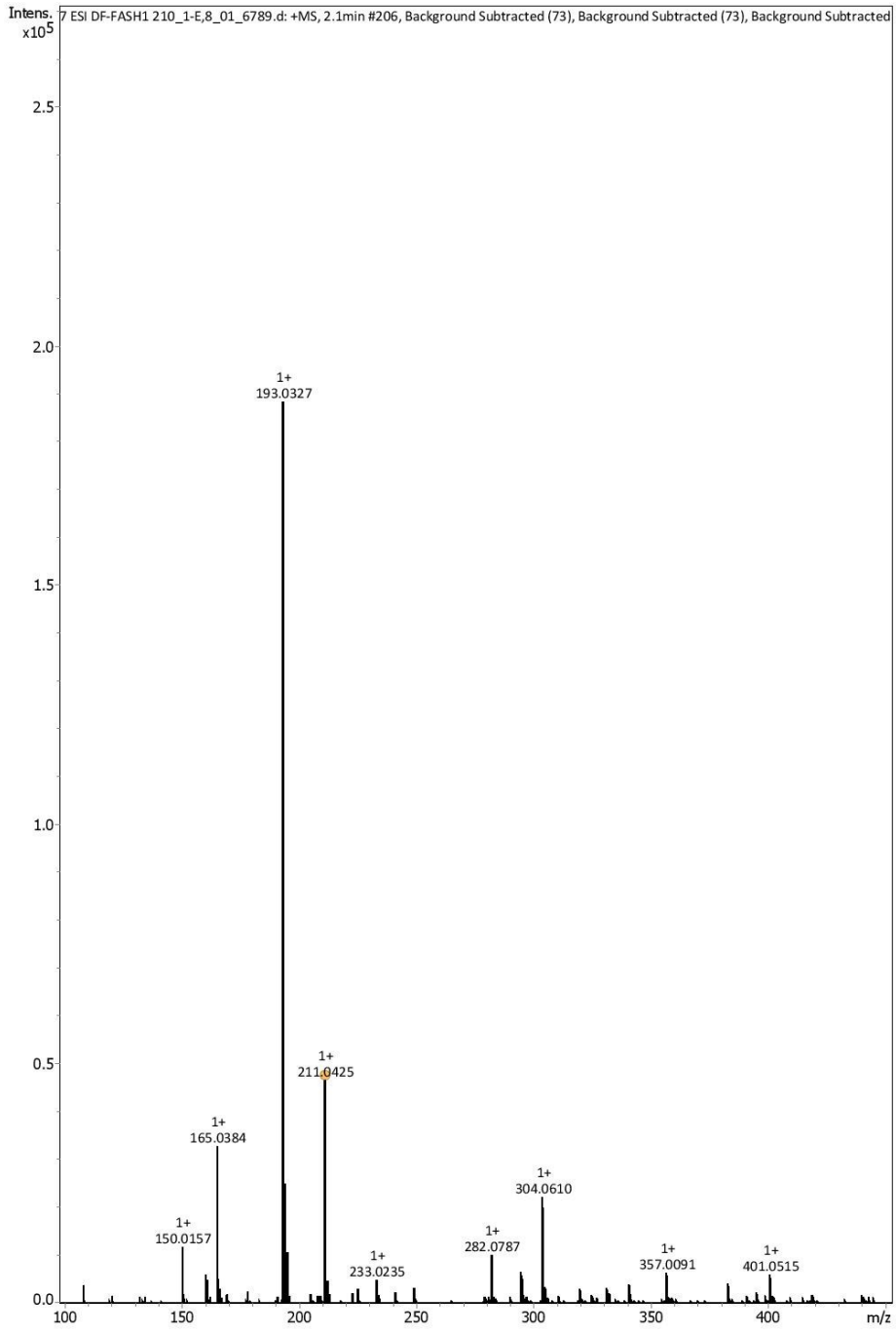

Figure S2. ESI-FIA-TOFspectrum of TFA.

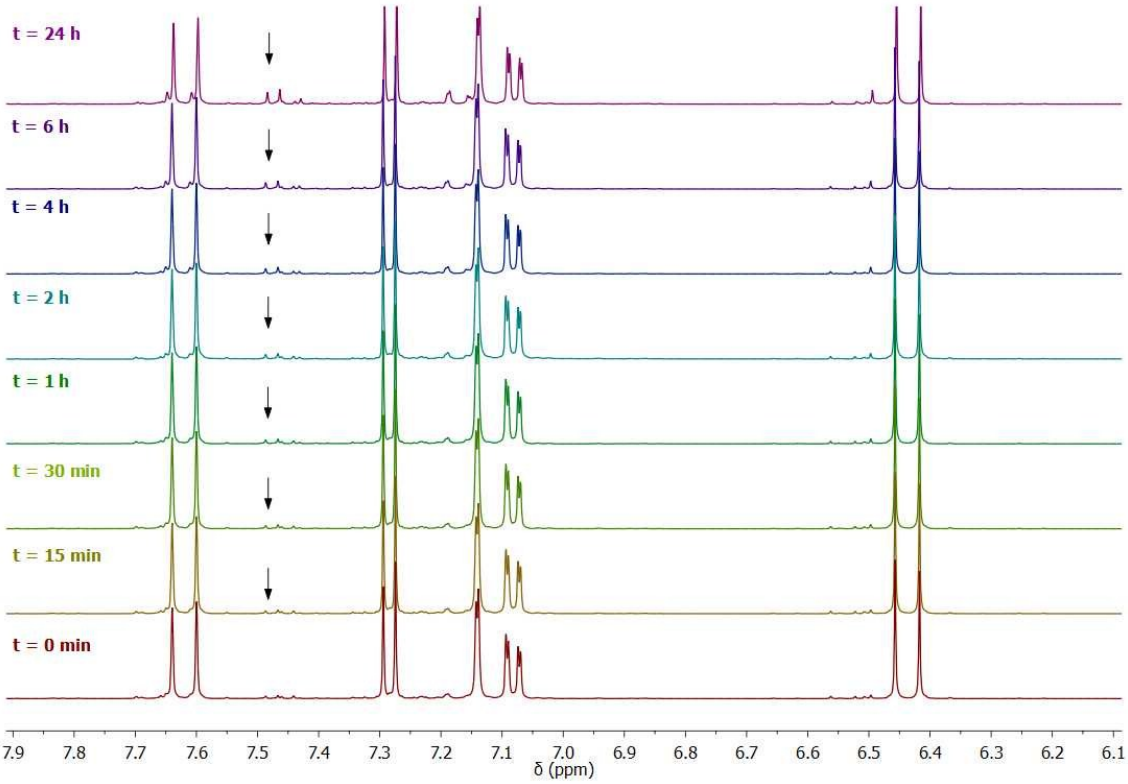

Figure S3: Expansion of the ^{1}H NMR spectra of TFA in ethanol-d_6 obtained at different timepoints (0 – 24 h).

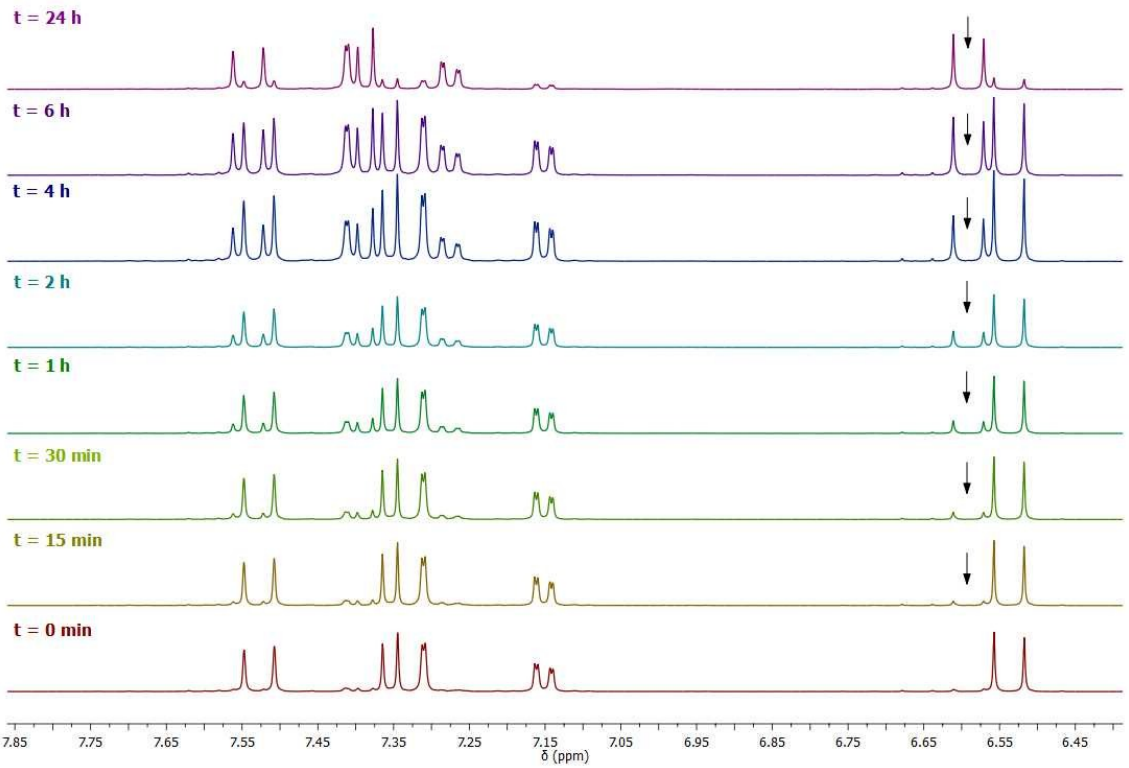

Figure S4. Expansion of the ^{1}H NMR spectra of TFA in DMSO-d_6 obtained at different timepoints (0 – 24 h).

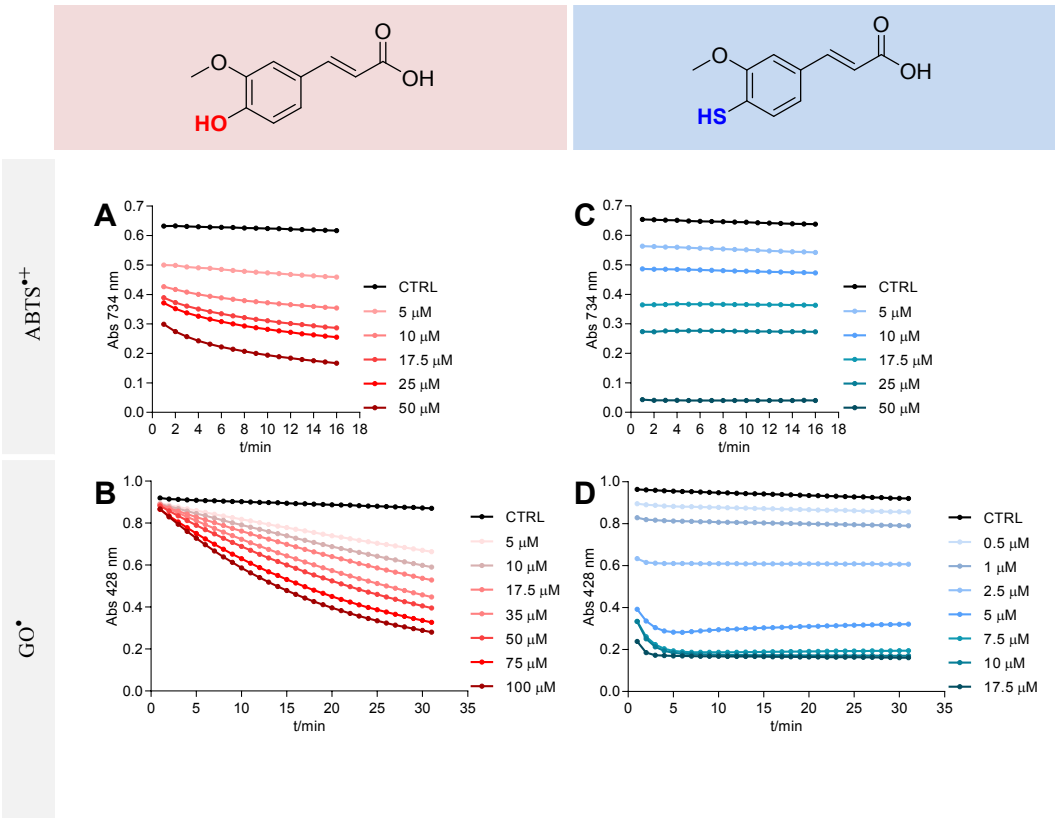

Figure S5: Kinetic curves obtained in the presence of increasing concentrations of FA (**A** and **B**) and TFA (**C** and **D**) in $ABTS^{\bullet+}$ and $GO^{\bullet}$ assays.