

Supplementary Materials

Figure S1. High resolution MS spectra of compound **4**.

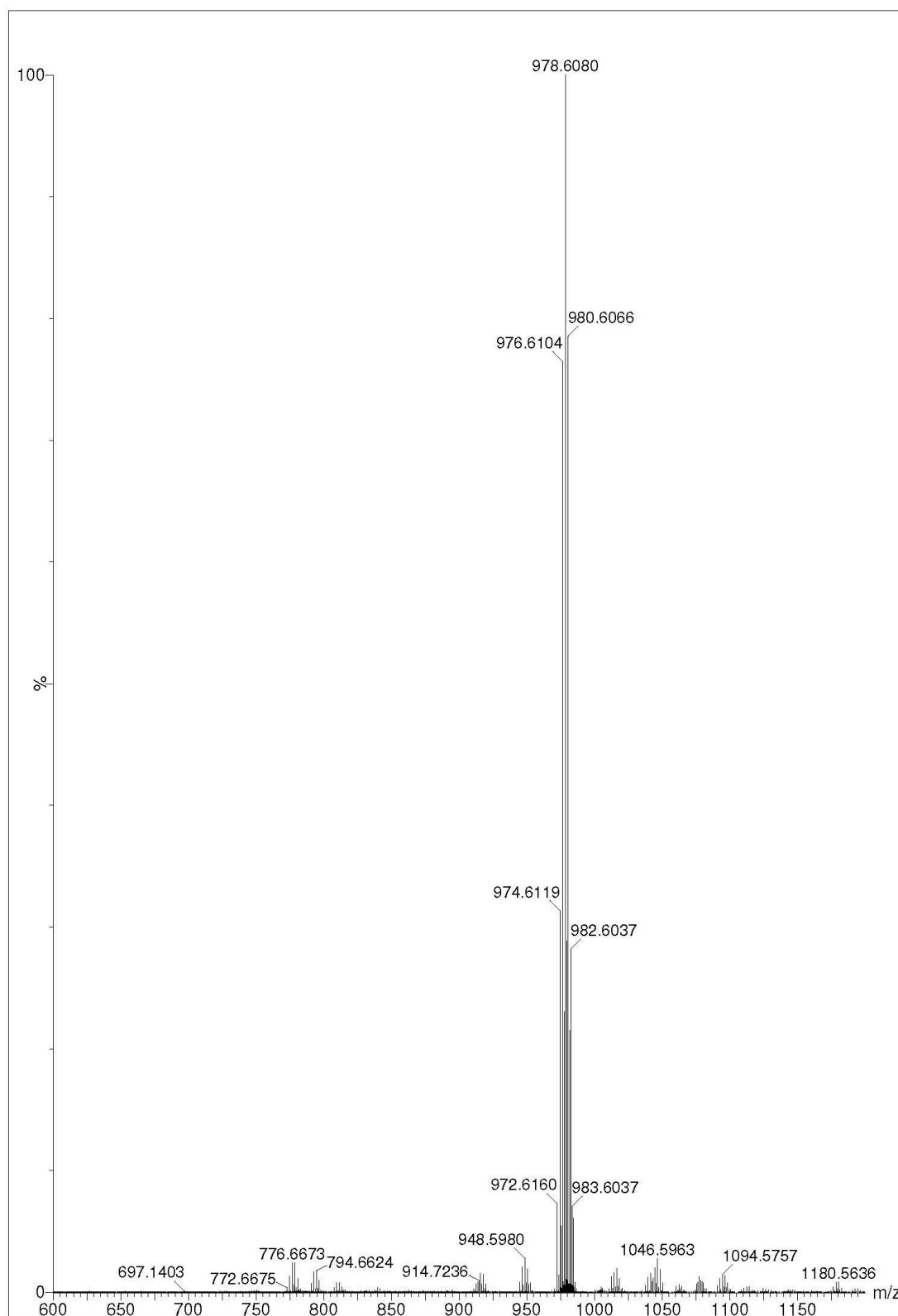


Figure S2. Proton NMR spectrum of **2** (black annotations from Scheme 1) and **4** (blue annotations) in methanol- d_4 with Wet suppression on the water resonance.

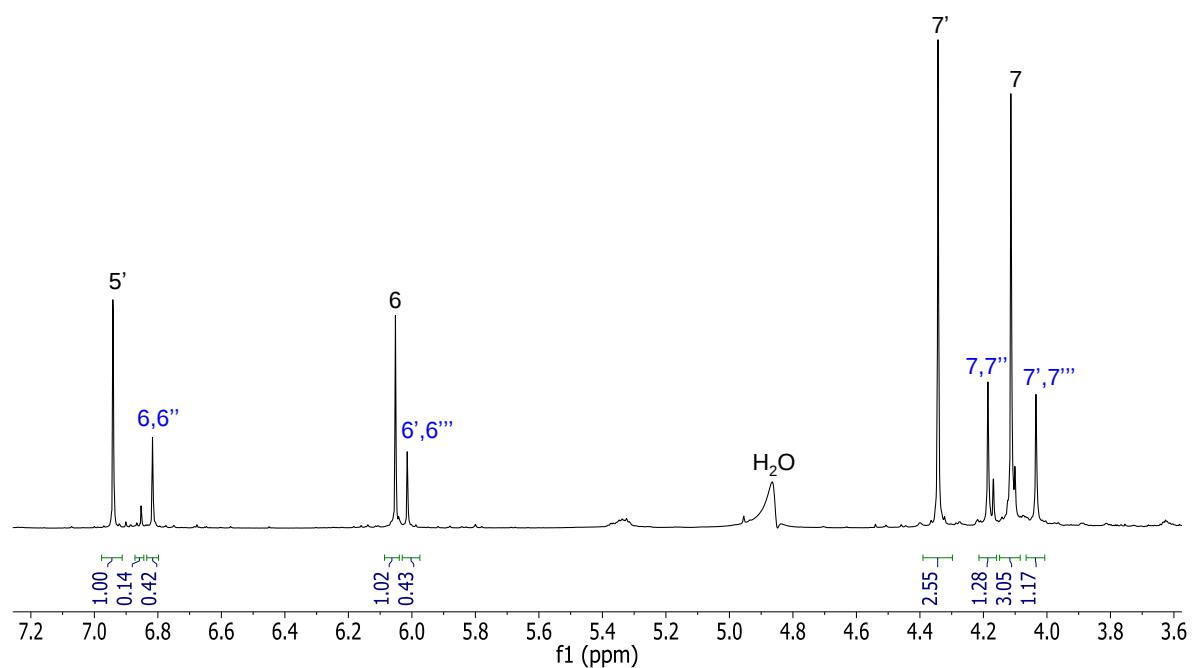


Figure S3. Proton decoupled Carbon NMR spectrum of **2** (black annotations from Scheme 1) and **4** (blue annotations).

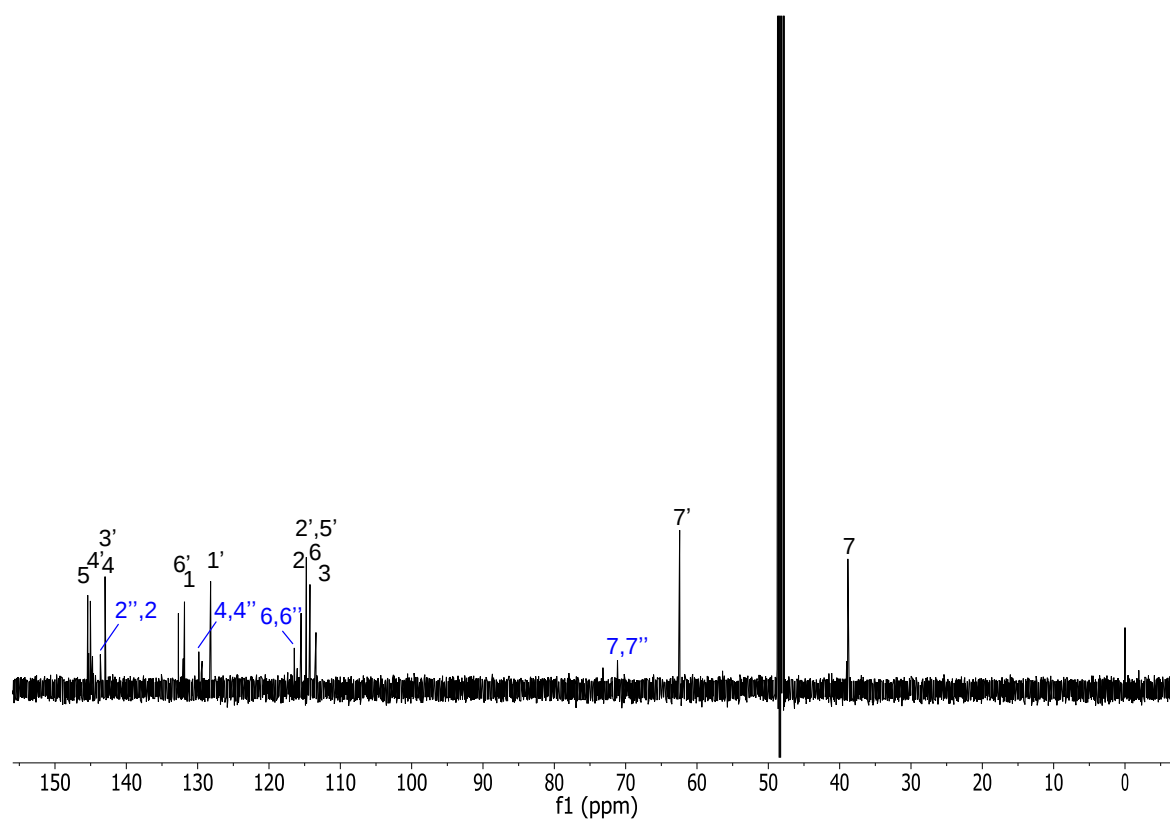


Figure S4. Superimposed gradient selected HSQC and HMBC spectra of **2** (black annotations from Scheme 1) and **4** (blue annotations).

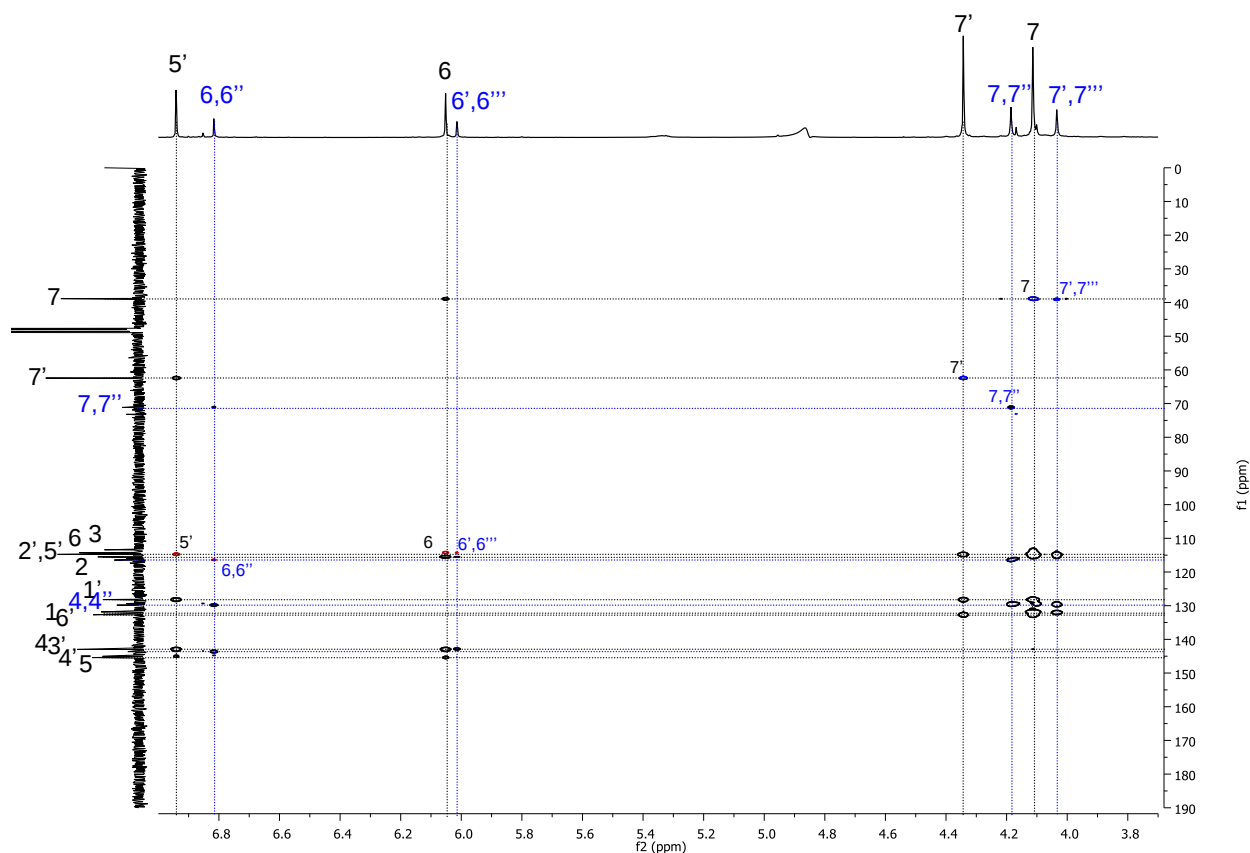


Figure S5. Superimposed gradient selected HSQC and HMBC spectra zooming in on the overlapped $^1J_{CH}$ (blue) and $^3J_{CH}$ (black) correlations of the two symmetric methylenes at position 6 for compound **4**, distinctive for the dimerization.

