

Supplementary Materials:

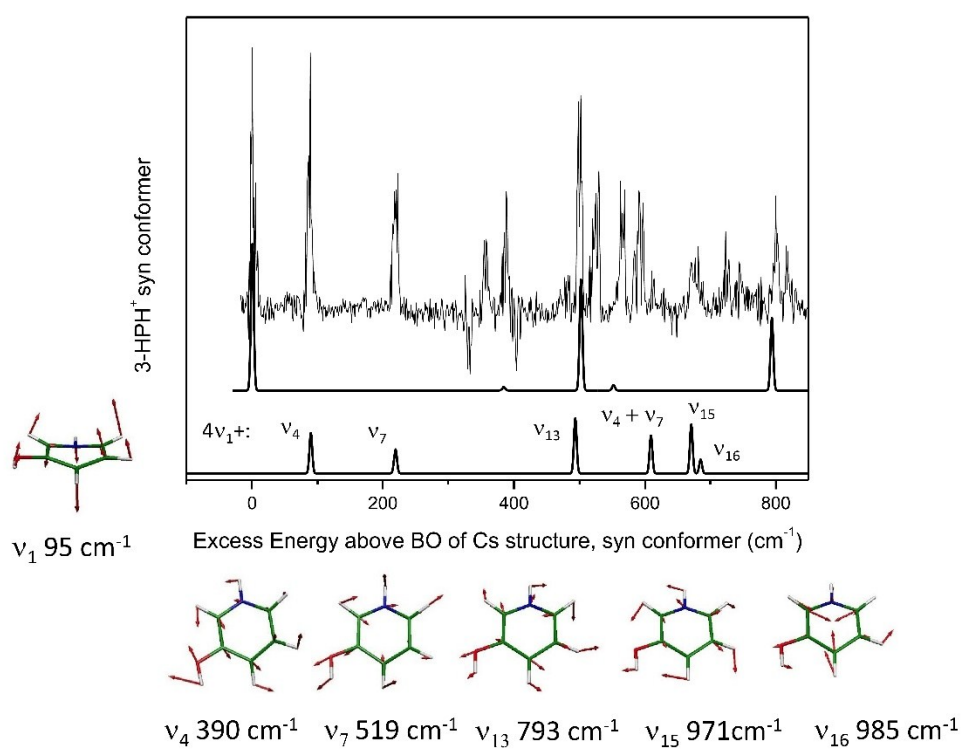


Figure S11: Comparison of the experimental (top) and Franck-Condon simulated spectra of the 3-HPH⁺ *syn* conformer.