Electronic Supplementary Material (ESI) for Physical Chemistry Chemical Physics.

Supporting information

Ultrafast “end-on”-to-“side-on” binding-mode isomerization of an iron-carbon dioxide complex

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Content:

1. Kinetic traces in the ν_3-region of carbon dioxide

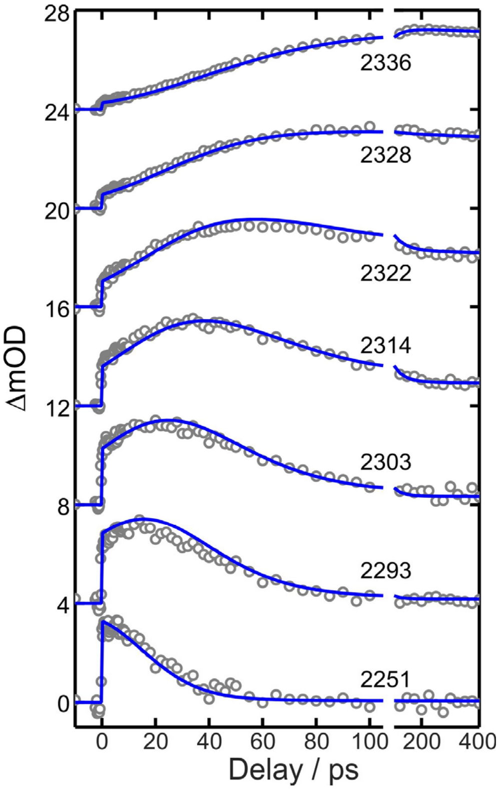

Figure S1. Kinetic traces recorded ion the spectral region of the antisymmetric stretching mode of the carbon dioxide fragment following the 266 nm-excitation of $[Fe(cyclam)(C_2O_4)]^+$ in liquid dimethyl sulfoxide solution at room temperature. Open sybols are the experimental data, solid curves are from the simulation using the anharmonic coupling model

2. Animation of the full spectro-temporal evolution of the absorptive UV/MIR-response

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Animation 1. Purely absorptive UV/MIR response (Open sybols are the experimental data, blue solid curve is from the simulation). The constituent spectra from the hot ground-state, and the primary and secondary product are given by spectra shaded in blue, green, and red, respectively. (**click on the arrow to start the animation**)