TORSIONAL EXCITATION IN O-H STRETCH OVERTONE SPECTRA OF ETHYL HYDROPEROXIDE CONFORMERS

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Photoacoustic spectra at 3-6 quanta of O-H stretch show features attributed to torsion about the O-O bond and to distinct contributions from two conformers. Laser-induced fluorescence detection of OH radicals demonstrates unimolecular dissociation from some vibrationally and torsionally excited states.