Photoinduced tautomeric transformations of xanthurenic acid by
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TA time profiles measured at 620 nm (squares) and 720 nm (circles) after laser pulse excitation (400 nm, 150 fs, 3 μJ) of basic aqueous XAN solution (pH 11) in the absence (solid black symbols) and presence (empty red symbols) of 1.1 M acetone. Solid lines show the best fit. Insert: the dependence of TA intensity measured at 620 nm (1.5 ns after 400 nm laser excitation, aqueous XAN solution, pH 11) on the laser energy.