

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
892	\{\}alpha,p-Dinitrocumene	e <sub>aq</sub> <sup>-</sup> + NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> C(NO <sub>2</sub> )(CH <sub>3</sub> ) <sub>2</sub> → [NO <sub>2</sub> C <sub>6</sub> H <sub>4</sub> NO <sub>2</sub> (CH <sub>3</sub> ) <sub>2</sub> ] <sup>-</sup>	12	3.0 × 10 <sup>10</sup>	p.r.; D.k. at 700 nm as well as p.b.k. at 305 nm in soln. contg. 1 mol L <sup>-1</sup> tert-BuOH and 1.56 × 10 <sup>-2</sup> mol L <sup>-1</sup> NaOH.	78A458