

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
543	Adrenaline, conjugate acid	e <sub>aq</sub> <sup>-</sup> +MeNH <sub>2</sub> CH <sub>2</sub> CHOHC <sub>6</sub> H <sub>3</sub> (OH) <sub>2</sub> → (HO) <sub>2</sub> C <sub>6</sub> H <sub>3</sub> CHOHCH <sub>2</sub> + CH <sub>3</sub> NH <sub>2</sub>	6.0	6.0 × 10 <sup>8</sup>	Average of 2 values.	82A439
			5.8	4.4 × 10 <sup>8</sup>	p.r.; D.k.; <i>pK<sub>a</sub></i> = 8.55.	82A439
			7.5	7.5 × 10 <sup>8</sup>	p.r.; D.k. at 720 nm in Ar-satd. soln. contg. 0.25–1 mol L <sup>-1</sup> <i>tert</i> -BuOH; calcd. from <i>k<sub>obs</sub></i> over pH range (8–11.5); cor. for e <sub>aq</sub> <sup>-</sup> + H <sup>+</sup> ; MeNH <sub>2</sub> identified by γ-r.	771029