

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1321	Phenylalanine	e <sub>aq</sub> <sup>-</sup> + Phe → C <sub>6</sub> H <sub>5</sub> CH <sub>2</sub> $\dot{C}$ HCO <sub>2</sub> <sup>-</sup> + NH <sub>3</sub>		1.4 × 10 <sup>8</sup>	Average of 4 values.	
			5.5-7.5	~ 1.2 × 10 <sup>8</sup>	p.r.; D.k. at 600 nm; at pH 11.5-12.75 $k = 5 \times 10^7$ .	86A410
			6.9	1.6 × 10 <sup>8</sup>	p.r.; D.k. at 700 nm in soln. contg. <i>tert</i> -BuOH; $pK_2 = 1.8, 9.1$ ; 50% deamination, 50% addn.	741083
			6.28	1.1 × 10 <sup>8</sup>	p.r.; D.k. at 720 nm; (DL-isomer); at pH 8.65 $k = 8.8 \times 10^7$ (DL-isomer); at pH 7.0 $k = 1.5 \times 10^8$ (L-isomer).	660011
			6.7	1.5 × 10 <sup>8</sup>	p.r.; D.k.; DL-isomer	650389