

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
104	1,10-Phenanthroline	O <sup>-</sup> + phen → phenOH	13.6	7.4 × 10 <sup>8</sup>	p.r.; C.k.; rel. to $k(\cdot\text{O}^- + \text{HCO}_2^-)$ .	78A207