

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1050	1,10-Phenanthroline	. OH + phen → phenOH		8.8×10^9	Average of 4 values.	80A115
			7		7.0×10^9	p.r.; P.b.k. at 4
			7-11		8.4×10^9	p.r.; P.b.k.
			6.7		9.3×10^9	p.r.; C.k.; rel. t
			6		8.6×10^9	p.r.; P.b.k. at 4