

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
272	Acid Red 265 dianion	.OH + AR-265 →	6.4	1.7 × 10 ¹⁰	Average of 10 values. -r.; C.k.; obs. G(-dye); rel. to k(.OH + SCN-).	750188
			6.4	2.2 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + PhOH).	750188
			6.4	1.9 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + 1-PrOH).	750188
			6.4	1.7 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + (CH ₃) ₂ CHCH ₂ OH).	750188
			6.4	1.9 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + tert-BuOH).	750188
			6.4	1.6 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + MeOH).	750188
			6.4	1.4 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + EtOH).	750188
			6.4	1.9 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + BuOH).	750188
			6.4	1.7 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + C ₂ H ₅ CH(OH)CH ₃).	750188
			6.4	1.3 × 10 ¹⁰	-r.; C.k.; obs. G(-dye); rel. to k(.OH + glucose).	750188