

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1058	Phenylalanine	.OH + Phe → PheOH		6.5×10^9	Average of 5 values.	
			7-8	6.9×10^9	p.r.; P.b.k.; 50% ortho-adduct, 30% para-adduct, 14% meta-adduct	85A183
			5.8	6.6×10^9	p.r.; P.b.k. at 318 nm.	761202
			nat.	6.8×10^9	p.r.; C.k.; rel. to $k(\text{.OH} + \text{Fe}(\text{CN})_6^{4-})$.	710578
			nat.	6.6×10^9	p.r.; P.b.k. at 300 nm.	710578
			5.5-6	5.8×10^9	p.r.; C.k.; $pK_a = 2.16, 9.18$; at pH 2-2.2 $k = 5.7 \times 10^9$; rel. to $k(\text{.OH} + \text{SCN}^-)$.	650388