

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments
29	Cerium(III) Ion	$\cdot\text{OH} + \text{Ce}^{3+} \longrightarrow \text{Ce(IV)}$		3.0×10^8	Average of 2 values.
			3.0×10^8	phot.; Ce(IV) in 0.4 mol L ⁻¹ H ₂ SO ₄ ; rel. to $k(\cdot\text{OH} + \text{HCO}_2\text{H})$.	84F565
		2.6-2.9	2.9×10^8	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{EtOH})$.	710137