

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments
84	Europium(II) Ion	$\cdot\text{OH} + \text{Eu}^{2+} \longrightarrow \text{Eu(III)}$ 2		$1.1 \times 10^9$	Average of 2 values.
			$1.3 \times 10^9$	p.r.; D.k.; transient Eu(II) formed in Eu(III) soln.	731084
			$9 \times 10^8$	p.r.; D.k. (Eu <sup>2+</sup> ) in Ar-satd. Eu(III)sulfate soln.	720065