

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1027	Orotate Ion	$\cdot\text{OH} + 6\text{-UCO}_2^- \longrightarrow 6\text{-U(OH)CO}_2^-$		$5.9 \times 10^9$	Average of 4 values.	700567
			5.2	$6.5 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{Fe(CN)}_6^{4-})$ .	700567
			$\sim 5.5$	$6.8 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$ .	700567
			5-11	$5.3 \times 10^9$	p.r.; P.b.k. at 340 nm (OH adduct).	700567
			5-11	$5.0 \times 10^9$	p.r.; D.k. at 280 nm (5,6-double bond); $k$ decreases at pH < 5.	700567