

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
382	Dioxoplutonium(VI) Ion	e <sub>aq</sub> <sup>-</sup> + PuO <sub>2</sub> <sup>2+</sup> → PuO <sub>2</sub> <sup>+</sup>	5.6	6.4 × 10 <sup>10</sup>	p.r.; D.k.; at pH 6.1 $k = 5.8 \times 10^{10}$ , counterion ClO <sub>4</sub> <sup>-</sup> ; $I = 10^{-3}$ .	761084