

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
148	Peroxomonosulfuric acid	H· + H <sub>2</sub> SO <sub>5</sub> → H <sub>2</sub> O + HSO <sub>4</sub>	~ 0	2.2 × 10 <sup>8</sup>	γ-r.; C.k.; obs. <i>G</i> (Ce <sup>III</sup> ) in ceric - cerous system; rel. to <i>k</i> (H· + O <sub>2</sub> ).	700169