

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
861	Malonic acid	. OH + HO <sub>2</sub> CCH <sub>2</sub> CO <sub>2</sub> H →		2.0 × 10 <sup>7</sup>	Average of 2 values.	
			1	1.6 × 10 <sup>7</sup>	Fenton; C.k.; $k(. \text{OH} + \text{MeOH})/k(. \text{OH} + \text{Fe}^{2+}) = 4.3$ ; rel. to $k(. \text{OH} + \text{MeOH})$ .	739341
			2-2.2	2.4 × 10 <sup>7</sup>	γ-r.; C.k.; $pK_a = 2.8, 5.7$ ; rel. to $k(. \text{OH} + 5\text{-MeU})$ .	670461