

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
987	5,5'-Nitrilodibarbiturate (Murexide)	Ion .OH + C <sub>8</sub> H <sub>4</sub> N <sub>5</sub> O <sub>6</sub> →	7.3-7.5	1.5 × 10 <sup>10</sup>	chem.; C.k. in soln. contg. 0.1 mol L <sup>-1</sup> H <sub>2</sub> O <sub>2</sub> , 2.5 × 10 <sup>-6</sup> mol L <sup>-1</sup> Mn <sup>2+</sup> and 0.2 mol L <sup>-1</sup> HCO <sub>3</sub> <sup>-</sup> ; rel. to <i>k</i> (.OH + RNO).	79A411