

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
508	Pyrimidine, conjugate acid	$\text{H}^\bullet + (\text{C}_4\text{H}_4\text{N}_2)\text{H}^+ \longrightarrow$	1	$9.2 \times 10^7$	e-r.; esr; Decay of spin polarization, compared with EtOH; $pK_a = 1.10$ ; rel. to $k(\text{H}^\bullet + \text{BzOH})$ .	720025