

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
506	Pyridinium Ion	$\text{H}^\bullet + \text{pyH}^+ \longrightarrow \text{pyH}_2^+$	1	$1.7 \times 10^8$	p.r.; P.b.k. (H adduct); <i>tert</i> -BuOH as OH scavenger.	710582