

No.	Compound name		Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1044	2,4-Pentanedione, base	conjugate	$\cdot\text{OH} + \text{CH}_3\text{C}(\text{O}^-)=\text{CHCOCH}_3 \longrightarrow$ $\text{CH}_3\text{C}(\text{O}^-)\text{CHOHCOCH}_3$ $\text{CH}_3\text{C}(\text{O}^-)\text{OCH}_2\text{COCH}_3 + \text{H}_2\text{O}$	$\geq 10$ $+$	$7.4 \times 10^9$	p.r.; P.b.k. at 294 nm.	82A102