

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1043	2,4-Pentanedione	$\cdot\text{OH} + \text{CH}_3\text{COCH}_2\text{COCH}_3 \longrightarrow$ $\text{H}_3\text{CCOCHOHCH}_2\text{COCH}_3$ $\text{H}_3\text{CCOCH}(\text{OH})_2\text{CH}_3$	6.4	9.9×10^9	p.r.; P.b.k. in soln. contg. tert-BuOH; product anal. by condy. and esr and reaction with C(NO ₂) ₄ ; rel. to $k(\cdot\text{OH} + \text{tert} - \text{BuOH})$.	82A102