

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
177	Acetophenone	$\text{H}\cdot + \text{C}_8\text{H}_5\text{COCH}_3 \longrightarrow \text{C}_8\text{H}_6\text{COCH}_3$	1.0	3.4×10^9	p.r.; P.b.k. (H adduct); <i>tert</i> -BuOH as OH scavenger.	720171
			1	1.1×10^9	p.r.; P.b.k.; CD ₃ OD as OH scavenger	690001