

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
170	Acetamide	$\text{H}^\cdot + \text{CH}_3\text{CONH}_2 \longrightarrow$		1.5×10^5	Average of 2 values.	
			1	1.2×10^5	<i>e-r.</i> ; esr; Decay of spin polarization, compared with 2-PrOH(7D); rel. to $k(\text{H}^\cdot + \text{BzOH})$.	710003
			1	1.7×10^5	γ - <i>r.</i> ; C.k. with 2-PrOH(7D), H abstr.; rel. to $k(\text{H}^\cdot + \text{BzOH})$.	710017