

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
346	Ethane	$\text{H} \cdot + \text{C}_2\text{H}_6 \longrightarrow$	1	2.3×10^6	ϵ -r.; esr; Decay of spin polarization, compared with 2-PrOH(7D); single measurement on satd. soln., calcd. from solubility; rel. to $k(\text{H} \cdot + \text{BzOH})$.	710003