

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
281	Chloromethane	$\text{H}\cdot + \text{CH}_3\text{Cl} \longrightarrow \text{HCl} + \cdot\text{CH}_3 + \text{H}_2 + \cdot\text{CH}_2\text{Cl}$	1	$6 \times 10^4$	er-; esr; Decay of spin polarization, compared with 2-PrOH(7D); single measurement on satd. soln., calcd. from solubility; 37% H abstr. [730053]; rel. to $k(\text{H}\cdot + \text{BzOH})$ .	710003