

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
353	Ethylene	$\text{H}^\bullet + \text{H}_2\text{C}=\text{CH}_2 \longrightarrow \cdot\text{CH}_2\text{CH}_3$	1	$3 \times 10^9$	e-r.; esr; Decay of spin polarization, compared with 2-PrOH(7D); rel. to $k(\text{H}^\bullet + \text{BzOH})$ .	710003