

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
340	Dimethyl sulfoxide	$\text{H}^\bullet + \text{CH}_3\text{SOCH}_3 \longrightarrow \text{CH}_3\text{S}(\text{OH})\text{CH}_3$	1	$\sim 2.7 \times 10^6$	$\gamma$ -r.; C.k.; obs. $G(\text{Dimethylsulfide})$ ; rel. to $k(\text{H}^\bullet + \text{Fe}(\text{CN})_6^{3-})$ .	84A282
			$\sim 1$	$9.7 \times 10^6$	$\gamma$ -r.; C.k.; obs. $G(\text{H}_2)$ and $G(\text{CH}_4)$ ; rel. to $k(\text{H}^\bullet + \text{EtOH})$ .	81A159