

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
33	Acetonitrile	$\text{O}^{\cdot -} + \text{CH}_3\text{CN} \longrightarrow \text{OH}^- + \cdot \text{CH}_2\text{CN}$	14	2.1×10^8	p.r.; C.k.; rel. to $k'(\text{O}^{\cdot -} + 3\text{-HX})$	751003