

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
341	Dioxane	$\text{H}^{\cdot+} - \text{O}(\text{CH}_2)_2\text{O}(\text{CH}_2)_2 - \longrightarrow \text{H}_2 +$ $- \text{OCHCH}_2\text{O}(\text{CH}_2)_2 -$		1.0×10^7	Average of 2 values.	
			1	1.2×10^7	e-r.; esr; Decay of spin polarization, compared with 2-PrOH(7D); rel. to $k(\text{H}^{\cdot} + \text{BzOH})$.	710003
			1	8.3×10^6	p.r.; C.k.; p.b.k. at ~ 310 nm (Ag^{2+}); rel. to $k(\text{H}^{\cdot} + \text{Ag}^+)$.	670550