

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)
500	Acetonitrile	$\text{e}_{\text{aq}}^- + \text{CH}_3\text{CN} \longrightarrow$		5.7×10^7
			4.4×10^7	p.r.; D.k. in Ar-satd. soln.
			3.0×10^7	p.r.; D.k.
			3.8×10^7	p.r.; D.k. in soln. contg. 5×10^{-2} mol L ⁻¹ Na ₂ SO ₃ and $2 - 8 \times 10^{-3}$ mol acetonitrile; esr
		12.0		