

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
509	N-Acetylcysteine, negative ion	$\text{e}_{\text{aq}}^- + \text{HSCH}_2\text{CH}(\text{NHAc})\text{CO}_2^- \longrightarrow \cdot$ $\text{CH}_2\text{CH}(\text{NHAc})\text{CO}_2^- + \text{HS}^-$	7.1	5.6×10^9	p.r.; D.k. at 700 nm in soln. contg. <i>tert</i> -BuOH ~0.1 mol L ⁻¹	730090