No.	Compound name	Reaction equation	pH	Rate constant ($L\,mol^{-1}\,s^{-1}$)	Comments	Reference
510	N-Acetylcysteine, dianion	$e_{aq}{}^{-} + {}^{-}SCH(NHAc)CO_2{}^{-} \longrightarrow \cdot CH_2CH(NHAc)CO_2{}^{-} + HS^{-} + OH^{-}$	12.5	3.3×10^8	p.r.; D.k. at 700 nm in soln. contg. ~0.1 mol L^{-1} *tert*-BuOH; $pK_a = 2, 9.5$.	730090