

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
159	Thallium(I) Ion	$\text{H}^\bullet + \text{Tl}^+ \longrightarrow \text{H}^+ + \text{Tl}$		4.1×10^7	Average of 2 values.	84C015
			2	5×10^7	p.r.	
			1	3.3×10^7	p.r.; C.k. with 1,4-dicyanobenzene; obs. 345 nm abs.; rel. to $\text{H}^\bullet + \text{DCNB}$.	730121