

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
534	Tetranitromethane	$\text{H}^\cdot + \text{C}(\text{NO}_2)_4 \longrightarrow \cdot\text{NO}_2 + \text{H}^+ + \text{C}(\text{NO}_2)_3^-$	2	5.5×10^8	p.r.; P.b.k. at 366 nm (nitroform anion); cor. for $k(\text{H} + \text{H})$ and $k(\text{OH} + \text{H})$.	650183
			~ 7	2.6×10^9	p.r.; P.b.k.; N ₂ O or Cu ²⁺ as electron scavengers.	640133