

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
457	Nitrobenzene	$\text{H} \cdot + \text{C}_6\text{H}_5\text{NO}_2 \longrightarrow \text{C}_6\text{H}_6\text{NO}_2$	1	1.0×10^9	p.r.; P.b.k.; CD ₃ OH as OH scavenger.	690001
				2.3×10^9	p.r.; C.k.; p.b.k.; rel. to $k(\text{H} \cdot + \text{MeOH})$.	690001