

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
430	Methanesulfonyl chloride	$\text{H} \cdot + \text{CH}_3\text{SO}_2\text{Cl} \longrightarrow \text{H}^+ + \text{Cl}^- + \text{CH}_3\text{SO}_2\cdot$		$\sim 2.8 \times 10^7$	p.r.; C.k., obs. sulfonyl radical abs. at 332 nm; also condy.; rel. to $k(\text{H} \cdot + \text{MeOH})$.	761047