

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
347	Ethanesulfonyl chloride	$\text{H}\cdot + \text{C}_2\text{H}_5\text{SO}_2\text{Cl} \longrightarrow \text{H}^+ + \text{Cl}^- + \text{C}_2\text{H}_5\text{SO}_2\cdot$		$7 \times 10^7$	p.r.; C.k.; obs. sulfonyl radical at 332 nm; also condy. study; rel. to $k(\text{H}\cdot + \text{MeOH})$ .	761047