

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
965	-Methylstyrene	$\begin{array}{l} \cdot\text{OH} + \text{C}_8\text{H}_8\text{C}(\text{CH}_3)=\text{CH}_2 \\ \text{C}_8\text{H}_8\text{C}(\text{CH}_3)\text{CH}_2\text{OH} \\ \text{HOC}_8\text{H}_8\text{C}(\text{CH}_3)=\text{CH}_2 \end{array}$	$\begin{array}{c} \longrightarrow \\ + \end{array}$ 5.5	9.7×10^9	p.r.; P.b.k. at 320 nm.	77A236