

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
844	Isopropyl phenyl sulfoxide	$\cdot\text{OH} + \text{C}_6\text{H}_5\text{SOCH}(\text{CH}_3)_2 \longrightarrow$ $\text{HOC}_6\text{H}_5\text{SOCH}(\text{CH}_3)_2$ $\text{C}_6\text{H}_5\text{SO}(\text{OH})\text{CH}(\text{CH}_3)_2$	$+$	1.0×10^{10}	p.r.; Cond. buildup; ($\rightarrow \text{R} + \text{RSO}_2^- + \text{H}^+$); 45% addn. to S and 55% addn. to ring.	80A014