

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
470	Pentamethylbenzene	$\text{H} \cdot + \text{C}_6\text{H}(\text{CH}_3)_5 \longrightarrow \text{C}_6\text{H}_2(\text{CH}_3)_5$	1	2.9×10^9	p.r.; P.b.k. in soln. cont. <i>tert</i> -BuOH and HClO ₄ .	751009