

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
560	Trimethylphenylphosphonium Ion	$\text{H}\cdot + (\text{CH}_3)_3\text{P}^+\text{C}_6\text{H}_5 \longrightarrow (\text{CH}_3)_3\text{P}^+\text{C}_6\text{H}_6$	1.4	8.9×10^8	p.r.; P.b.k. at 330 nm in soln. contg. 5×10^{-3} mol L ⁻¹ ((CH ₃) ₃ P ⁺ C ₆ H ₅ I ⁻) and 0.3 mol L ⁻¹ <i>tert</i> -BuOH.	82A051