

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|---------------------|---|----|---|---|-----------|
| 71 | Diphenylacetate Ion | $\text{O}^{\cdot-} + (\text{C}_6\text{H}_5)_2\text{CHCO}_2^- \longrightarrow \text{OH}^- + (\text{C}_6\text{H}_5)_2\text{C}^{\cdot}\text{CO}_2^-$ | 14 | 6×10^7 | p.r.; P.b.k. at 340 nm; cor. for $\cdot\text{OH}$; $k_{obs} = 9 \times 10^7$. | 720047 |