

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|-----------------------|--|-----|---|---|-----------|
| 254 | 2-Bromopropionic acid | $\text{H}^\cdot + \text{CH}_3\text{CH}(\text{Br})\text{CO}_2\text{H} \longrightarrow \text{HBr} + \text{CH}_3\dot{\text{C}}\text{HCO}_2\text{H}$ | 1.0 | 1.4×10^9 | γ -r.; C.k.; rel. to $k(\text{H}^\cdot + 2\text{-PrOH})$. | 670050 |