

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments |
|-----|---------------|-----------------------------------|-------------------|--|----------------------|
| 503 | Cytosine | .OH + Cy \longrightarrow Cy(OH) | | 6.1×10^9 | Average of 4 values. |
| | | 7 | 6.3×10^9 | p.r.; P.b.k. | 78A106 |
| | | 7 | 8.8×10^9 | p.r.; P.b.k.; $\epsilon_{435} = 760 \text{ L mol}^{-1} \text{ cm}^{-1}$. | 731071 |
| | | 5.8 | 6.2×10^9 | p.r.; P.b.k. at 450 nm. | 703069 |
| | | 7.4-7.6 | 4.9×10^9 | p.r.; C.k., at pH 5-6 $k = 7.5 \times 10^9$; rel. to $k(\text{.OH} + \text{SCN}^-)$. | 650388 |