| No. | Compound name | Reaction equation | pH | Rate constant $(\mathrm{L\,mol^{-1}\,s^{-1}})$ | Comments | Reference |
|---|---|---|---|---|---|---|
| 1085 | Promethazine, conjugate acid | $.\,OH + PZH^+ \longrightarrow PZH_2{}^{2+}$ | | $9.2 \times 10^9$ | Average of 3 values. | |
| | | | 3.5 | $9.7 \times 10^9$ | p.r.; P.b.k. at 505 nm; 29% of the OH reacts to give the radical cation, the remainder may add or abstract H. | 83A272 |
| | | | | $8.0 \times 10^9$ | p.r. | 83A392 |
| | | | 7 | $1.0 \times 10^{10}$ | p.r.; Unpubl. data. | 741181 |