

| No. | Compound name            | Reaction equation  | pH | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments   | Reference |
|-----|--------------------------|--|----|---|--|-----------|
| 538 | N,N-Diethylhydroxylamine | $\cdot\text{OH} + (\text{C}_2\text{H}_5)_2\text{NOH} \longrightarrow \text{H}_2\text{O} + \text{Et}_2\text{NO}\cdot$ | 9  | $1.3 \times 10^9$                                       | p.r.; P.b.k. (nitroxide radical) at 400 nm; d.k. (OH) at 260, 270 or 280 nm gave $3 \times 10^9$ . | 79A162    |