

| No. | Compound name | Reaction equation  | pH  | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments  | Reference |
|-----|---------------|--|-----|---|---|-----------|
| 542 | Adrenaline    | $\text{e}_{\text{aq}}^- + \text{Adrenaline} \longrightarrow (\text{HO})_2\text{C}_6\text{H}_3\text{CHOHCH}_2 + \text{CH}_3\text{NH}_2$ | 2.5 | $2.5 \times 10^8$                                       | p.r.; D.k. at 720 nm; calcd. from $k_{\text{obs}}$ over pH range (8-11.5); MeNH2 identified by $\gamma$ -r. | 771029    |