

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|---------------|---|----|---|---|-----------|
| 540 | Thiophene | $\text{H}\cdot + \begin{array}{l} \text{--SCH=CHCH=CH--} \\ \text{--SCH}_2\text{CHCH=CH--} \end{array} \longrightarrow$ | 2 | 9×10^9 | p.r.; P.b.k. at 300 nm in soln. contg. 0.05 mol L ⁻¹ MeOH and 0.01 mol L ⁻¹ HClO ₄ . | 78A027 |