

| No. | Compound name | Reaction equation | pH | Rate constant (L mol ⁻¹ s ⁻¹) | Comments | Reference |
|-----|--|--|-------------|---|--|-----------|
| 70 | 1,1'-Dimethyl-4,4'-bipyridinium Ion | $\text{O}^{\cdot-} + \text{MV}^{2+} \longrightarrow$ | ≥ 13.8 | 1.5×10^9 | p.r.; P.b.k. at 392 and 470 nm in soln. contg. 1×10^{-3} mol L ⁻¹ methyl viologen and 0.6 mol L ⁻¹ NaOH satd. with N ₂ O; mainly H abstraction at methyl, <10% adduct formation. | 85A099 |