

| No.  | Compound name                       | Reaction equation                               | pH | Rate constant<br>(L mol <sup>-1</sup> s <sup>-1</sup> ) | Comments                           | Reference |
|------|-------------------------------------|---|----|---|------------------------------------|-----------|
| 1051 | 1,10-Phenanthroline, conjugate acid | .OH + phenH <sup>+</sup> → HOphenH <sup>+</sup> | 3  | 5.9 × 10 <sup>9</sup>                                   | p.r.; P.b.k.; $pK_a = -1.4, 4.6$ . | 79A352    |