

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
536	Thiamine cation	H <sup>•</sup> + Thm <sup>+</sup> →	6.8	2 × 10 <sup>10</sup>	γ-r.; C.k.; <i>pK</i> <sub>a</sub> = 4.8; rel. to <i>k</i> (H <sup>•</sup> + HCO <sub>2</sub> <sup>-</sup> ).	80G062