

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1053	Histidine	$\text{e}_{\text{aq}}^- + \text{His} \longrightarrow$		$6.4 \times 10^7$	Average of 2 values.	
			8.02	$6.7 \times 10^7$	p.r.; D.k. at 550 nm in soln. contg. <i>tert</i> -BuOH; $pK_a = 6.0, 9.17$ ; see paper for product anal.; at pH 6.52 $k = 9.0 \times 10^8$ .	771122
			$\sim 7$	$6 \times 10^7$	p.r.; D.k. at 720 nm; at pH 8.58, $k_{\text{obs}} = 4.5 \times 10^7$ .	060011