

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
1460	Thymine	$\text{e}_{\text{aq}}^- + 5\text{-MeU} \longrightarrow [5\text{-MeU}]^{\cdot-}$		$1.8 \times 10^{10}$	Average of 2 values.	650388
			5.5	$1.8 \times 10^{10}$	p.r.; D.k.; $pK_a = 9.95$	650388
			6.0	$1.7 \times 10^{10}$	p.r.; D.k. at 578 nm.	640044