

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
871	2-Mercaptopurine	$\cdot\text{OH} + \text{C}_5\text{H}_4\text{N}_4\text{S} \longrightarrow$	7	$\sim 4.4 \times 10^9$	$\gamma$ -r.; C.k. in air-satd. buffered soln.; $\text{p}K_a = 7.15$ , 10.04; rel. to $\text{k}(\cdot\text{OH} + \text{RNO})$ .	84A109