

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
469	Penicillamine, conjugate acid (H abstr.)	$\text{H}\cdot + \text{PenSH}_2^+ \longrightarrow \text{H}_2$	1	$1.3 \times 10^9$	phot.; C.k.; obs. H <sub>2</sub> yields; rel. to $k(\text{H}\cdot + \text{AA})$ .	757486
				1	$4.8 \times 10^8$	$\gamma$ -r.; C.k.; obs. C