

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
425	2-Mercaptopropionic acid	$\text{H} \cdot + \text{CH}_3\text{CH}(\text{SH})\text{CO}_2\text{H} \longrightarrow \text{H}_2 + \text{CH}_3\text{CH}(\text{S})\text{CO}_2\text{H}$	1	$9.4 \times 10^8$	$\gamma$ -r.; C.k. obs. G(H <sub>2</sub> ); rel. to $k(\text{H} \cdot + \text{AA})$ .	730241