

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
570	Valine, conjugate acid	$\text{H}\cdot + \text{ValH}^+ \longrightarrow$	1	$8 \times 10^6$	<i>e</i> -r.; esr; Decay of spin polarization, compared with EtOH; rel. to $k(\text{H}\cdot + \text{BzOH})$ .	710040
			1	$3.3 \times 10^6$	$\gamma$ -r.; C.k.; rel. to $k(\text{H}\cdot + \text{AA})$ .	680343