

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
488	L-Proline, conjugate acid	$\text{H}^\cdot + \text{ProH}^+ \longrightarrow$		5.8×10^5	Average of 2 values.	
			1	7×10^5	e_{aq}^- ; esr; Decay of spin polarization, compared with EtOH; $pK_a = 1.99$; rel. to $k(\text{H}^\cdot + \text{BzOH})$.	710040
			1	4.2×10^5	γ -r.; C.k.; rel. to $k(\text{H}^\cdot + \text{AA})$.	680343