

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
72	Copper(II) Ion	$\text{H}\cdot + \text{Cu}^{2+} \longrightarrow \text{H}^+ + \text{Cu}^+$		9.1×10^7	Average of 3 values.	
			1	8.8×10^7	γ -r.; C.k.; obs. $G(\text{H}_2)$; rel. to $k(\text{H}\cdot + \text{MeOH})$.	84G172
			1-2	9.9×10^7	γ -r.; C.k.; obs. $G(\text{H}_2)$; rel. to $k(\text{H}\cdot + \text{MeOH})$.	680444
			1	8.6×10^7	X-r.; C.k.; rel. to $k(\text{H}\cdot + \text{MeOH})$.	580009