

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
422	2-Mercaptoethanol (H abstr.)	$\text{H}^\bullet + \text{HSCH}_2\text{CH}_2\text{OH} \longrightarrow \text{H}_2 + \text{.SCH}_2\text{CH}_2\text{OH}$		1.4×10^9	Average of 2 values.	
			1	1.1×10^9	γ -r.; C.k.; obs. G(H ₂); rel. to $k(\text{H}^\bullet + \text{AA})$.	730241
			0	1.8×10^9	p.r.; Estd. from concn. effect on o.d. in soln. contg. O ₂ ; rel. to $k(\text{H}^\bullet + \text{O}_2)$.	710175