

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
421	2-Mercaptoethanol (overall)	$\text{H}^\bullet + \text{HSCH}_2\text{CH}_2\text{OH} \longrightarrow$		$1.7 \times 10^9$	Average of 2 values.	
			1	$1.3 \times 10^9$	$\gamma$ -r.; Derived from H abstr. rate and ratio of H to SH abstr. = 5.7; rel. to $k(\text{H}^\bullet + \text{AA})$ .	730241
			0	$2.1 \times 10^9$	p.r.; Estd. from p.r. and X.r. experiments.	710175