

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
427	3-Mercaptopropionic acid (H ab- str.)	$\text{H}^\bullet + \text{HSCH}_2\text{CH}_2\text{CO}_2\text{H} \longrightarrow \text{H}_2 + \cdot\text{SCH}_2\text{CH}_2\text{CO}_2\text{H}$	1	7.2×10^8	γ -r.; C.k.; rel. to $k(\text{H}^\bullet + \text{AA})$.	730241
428	Mercaptosuccinic acid	$\text{H}^\bullet + \text{HO}_2\text{CCH}_2\text{CH}(\text{SH})\text{CO}_2\text{H} \longrightarrow$	1	3×10^9	e-r.; esr; Decay of spin polarization, compared with EtOH; rel. to $k(\text{H}^\bullet + \text{BzOH})$.	710040