

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
84	8-Hexene-1,6-dioate ion (8-HX)	$\text{O}^{\bullet-} + {}^-\text{O}_2\text{CCH}_2\text{CH}=\text{CHCH}_2\text{CO}_2^- \longrightarrow$		6.3×10^8	Selected value.	
		$\text{OH}^- + {}^-\text{O}_2\text{C}\dot{\text{C}}\text{HCH}=\text{CHCH}_2\text{CO}_2^-$	14	6.3×10^8	p.r.; P.b.k. at 266 nm (allylic radicals); cor. for background reactions gave $k = 6.5 \times 10^8$.	751003