

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
771	3-Hexene-1,6-dioate Ion	$\cdot\text{OH} + -\text{O}_2\text{CCH}_2\text{CH}=\text{CHCH}_2\text{CO}_2- \longrightarrow$ $- \text{O}_2\text{CCH}_2\text{CH}(\text{OH})\text{CHCH}_2\text{CO}_2-$		$1.3 \times 10^9$	p.r.; Est. from pH effect on buildup of radical at 266 nm from reaction with O <sup>-</sup> ( $- \text{O}_2\text{CCH}_2\text{CHCHCHCO}_2-$ ).	80A346