

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
363	Benzophenone	$\cdot\text{OH} + (\text{C}_6\text{H}_5)_2\text{CO} \longrightarrow \text{HOC}_6\text{H}_5\text{COC}_6\text{H}_5$		$8.8 \times 10^9$	Average of 2 values.	
				$9 \times 10^9$	p.r.; P.b.k. at 330 nm.	751125
				$8.7 \times 10^9$	p.r.; P.b.k. at 380 nm.	680727