

No.	Compound name	Reaction equation	pH	Rate constant (L mol <sup>-1</sup> s <sup>-1</sup> )	Comments	Reference
489	Cyclopentane	$\cdot\text{OH} + \text{c-C}_5\text{H}_{10} \longrightarrow \text{c-C}_5\text{H}_9 + \text{H}_2\text{O}$		$3.7 \times 10^9$	Average of 2 values.	741051
				$4.5 \times 10^9$	p.r.; C.k.; obs. $\text{NF}^-$ formn. at 350 nm in soln. contg. cyclopentane + $\text{O}_2$ + $\text{HCO}_2^-$ + $\text{C}(\text{NO}_2)_4$ ; rel. to $k(\cdot\text{OH} + \text{HCO}_2^-)$ .	
				$3.0 \times 10^9$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{PNBA}^-)$ .	741052