No.	Compound name	Reaction equation	рН	Rate constant $(\operatorname{L}\operatorname{mol}^{-1}\operatorname{s}^{-1})$	Commer
876	Methane	$.\mathrm{OH} + \mathrm{CH_4} \longrightarrow .\mathrm{CH_3} + \mathrm{H_2O}$		1.1×10^8	Average
			1.0×10^{8}	p.r.; D.k. (OH) at 250 nm in soln. contg. 1.16×10^{-3} mol L ⁻¹ CH ₄ , and N ₂ O.	751055
		5.5	1.2×10^8	p.r.; D.k. (OH) at 250 nm in $\sim 1 \times 10^{-3}$ mol L ⁻¹ N ₂ O-CH ₄ soln.	720445