No.	Compound name	Reaction equation	pH	Rate constant $(\mathrm{L\,mol^{-1}\,s^{-1}})$	Comments	Reference
1196	Thiophene	$.\,OH + C_4H_4S \longrightarrow C_4H_4SOH$	~ 7	8.2×10^9	p.r.; P.b.k. at 300 nm in buffered soln.; $k = 5.8 \times 10^9$ in unbuffered soln.; at pH 10-11 $k = 4.1 \times 10^9$.	78A026
				3.3×10^9	p.r.; C.k.; rel. to $k(.OH + SCN\text{-})$.	710300