

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
1054	Phenol	$\cdot\text{OH} + \text{C}_6\text{H}_5\text{OH} \longrightarrow \text{C}_6\text{H}_5(\text{OH})_2$	7	$6.6 \times 10^{9\,b}$	p.r.; P.b.k. in soln. contg. phenol. $k_{\text{addn}} = 4.5 \times 10^9$, $k_{\text{abstr}} = 2.1 \times 10^9$.	82A169
			7.4-7.7	$1.4 \times 10^{10\,b}$	p.r.; P.b.k. at 330 nm; $pK_a = 9.89$.	670122
			6-7	$1.8 \times 10^{10\,b}$	p.r.; C.k.; rel. to $k(\cdot\text{OH} + \text{SCN}^-)$.	650387