No.	Compound name	Reaction equation		pH	Rate constant ($L\,mol^{-1}\,s^{-1}$)	Comments	Reference
561	4,5-Dihydroxy-2,7-naphthalenedisulfonic acid	$.OH + (HO)_2Np(SO_3H)_2$	$\longrightarrow$ $(HO)_3Np(SO_3H)_2$	0.1	1.2×10^8	γ-r.; C.k.; obs. Fe^{3+} yield in air-satd. soln.; rel. to $k(.OH + Fe^{2+})$.	670025