

No.	Compound name	Reaction equation	pH	Rate constant (L mol ⁻¹ s ⁻¹)	Comments	Reference
796	Cystamine, conjugate diacid	$\text{e}_{\text{aq}}^- + \text{S}_2(\text{CH}_2\text{CH}_2\text{NH}_3)_2^{2+} \longrightarrow [\text{S}_2(\text{CH}_2\text{CH}_2\text{NH}_3)_2]^+$		4.1×10^{10}	Average of 3 values.	
				4.2×10^{10}	p.r.; D.k. at 600 nm contg. 5×10^{-3} mol L ⁻¹ phosphate buffer; also see [79A145].	80A116
			6.7	4.2×10^{10}	p.r.; D.k. at 700 nm in soln. contg. ~ 0.1 mol L ⁻¹ tert-BuOH	720388
			7.3	4×10^{10}	p.r.; D.k. at 720 nm; $pK_a = 8.82, 9.16$.	660011