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Table S1. Bimolecular Rate Constants for the Hydrolysis of Gbn by Cu(II)
Complex of Cyclen at 25-50°C and pH 4.5-8.^a

temp and C_o	pH	$k_o/C_o (m^{-1}M^{-1})$	
		heavy chain	light chain
25°C, 4-21 mM	4.50	$(4.35 \pm 0.19) \times 10^{-3}$	$(4.42 \pm 0.08) \times 10^{-3}$
	6.00	$(6.53 \pm 0.43) \times 10^{-3}$	$(8.14 \pm 0.39) \times 10^{-3}$
	7.00	$(7.20 \pm 0.35) \times 10^{-3}$	$(9.33 \pm 0.58) \times 10^{-3}$
	8.00	$(3.17 \pm 0.19) \times 10^{-3}$	$(3.19 \pm 0.19) \times 10^{-3}$
37°C, 2-4 mM	4.50	$(2.86 \pm 0.01) \times 10^{-2}$	$(3.04 \pm 0.09) \times 10^{-2}$
	6.00	$(4.25 \pm 0.11) \times 10^{-2}$	$(4.72 \pm 0.01) \times 10^{-2}$
	7.00	$(4.99 \pm 0.16) \times 10^{-2}$	$(6.19 \pm 0.25) \times 10^{-2}$
	8.00	$(1.09 \pm 0.03) \times 10^{-2}$	$(1.24 \pm 0.05) \times 10^{-2}$
50°C, 2-4 mM	4.50	$(7.44 \pm 0.01) \times 10^{-2}$	$(7.17 \pm 0.06) \times 10^{-2}$
	6.00	$(1.03 \pm 0.04) \times 10^{-1}$	$(1.10 \pm 0.03) \times 10^{-1}$
	7.00	$(1.16 \pm 0.03) \times 10^{-1}$	$(1.46 \pm 0.03) \times 10^{-1}$
	8.00	$(3.54 \pm 0.11) \times 10^{-2}$	$(4.08 \pm 0.13) \times 10^{-2}$

^a $S_o = 8.54 \times 10^{-7}$ M. Accumulation of intermediate proteins was not observed by SDS-PAGE.