

S3 Table. Binding parameters obtained from Cyclic Voltammetric and UV-Vis spectroscopic studies at pH 4.7 and T=309.5K

complexes	Cyclic Voltammetric		Experimental		UV-Vis spectroscopic	
	K_b/M^1 $\times 10^5$	$-\Delta G/kJmol^{-1}$	Binding site size (s)/bp	K_b/M^1 $\times 10^5$	$-\Delta G/kJmol^{-1}$	
Binary complexes						
AA-DNA	1.31	30.31	2.00	0.02	19.55	
DXH-DNA	3.30	32.61	1.60	0.17	25.06	
EpiDXH-DNA	0.45	27.57	1.31	0.14	24.56	
DNR-DNA	19.2	37.22	1.51	11.8	35.97	
Binary complexes						
DXH-AA	0.083	23.22	----	0.74	32.99	
EpiDXH-AA	0.001	11.19	----	0.013	17.77	
DNR-AA	0.005	21.76	----	0.02	19.68	
Route-1 Tertiary complexes						
DXH-AA-DNA	1.15	30.19	0.58	2.51	31.99	
EpiDXH-AA-DNA	1.75	31.06	0.50	2.75	32.23	
DNR-AA-DNA	21.1	37.47	2.14	2.13	31.57	
Route-2 Tertiary complexes						
DXH-DNA-AA	0.93	29.43	0.37	1.17	30.02	
EpiDXH-DNA-AA	1.01	29.65	0.19	1.03	29.7	
DNR-DNA-AA	7.32	34.74	0.22	1.14	29.96	