Electronic supplementary information

Table S1. The tentative assignment of the ${}^{1}\text{H-NMR}$ signals: chemical shifts (δ) belonging to the Lys and His protons in the ligand at pH * = 5.5.

Sort of H	δ(ppm)	
	Lys	His
α-СН	4.18-4.20	4.13-4.69
β-CH ₂	1.69-1.73	3.31-3.35
у-СН2	1.24-1.39	-
δ- CH ₂	1.38-1.51	-
ε-CH ₂	3.12-3.18	-
C ⁵ H	=	7.36
C ² H	=	8.65

Fig. S1 Two dimensional COSY spectra of the free ligand at $pH^* = 5.5$ in H_2O (containing 10% D_2O).

Fig. S2 Two dimensional TOCSY spectra of the free ligand at $pH^* = 5.5$ in H_2O (containing 10% D_2O).

Fig. S3 Two dimensional ROESY spectra of the free ligand at $pH^* = 5.5$ in H₂O (containing 10% D₂O).

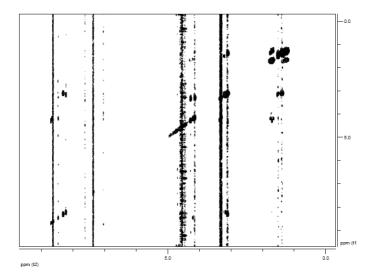


Fig. S1

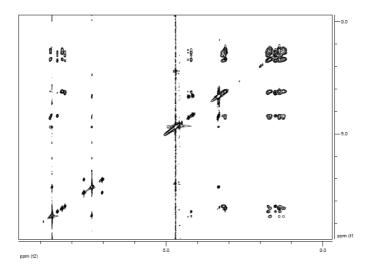


Fig. S2

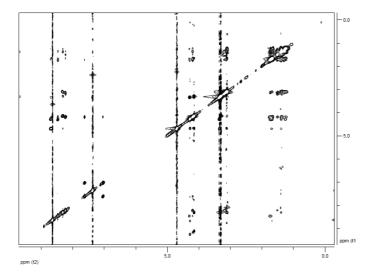


Fig. S3