**Antimicrobial activity of** ***cis*-[Ru(bpy)2(L)(L’)]n+ complexes, where L=4-(4-chlorobenzoyl)pyridine or 4-(benzoyl)pyridine and L’= Cl- or CO.**

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**Fig. S1.** Infrared spectra of complexes *cis*-[Ru(bpy)2(clbzpy)(Cl)](PF6)(black line) and *cis*-[Ru(bpy)2Cl2] (red line).



**Fig. S2.** 1H NMR spectrum of 4-(4-chlorobenzoyl)pyridinein DMSO-d6/D2O (5/95) solution



 **Fig. S3.** Electronic spectrum of the *cis*-[Ru(bpy)2(clbzpy)(Cl)](PF6) complex in DMSO/H2O (5/95) solution (5.6x10-5 M)



**Fig. S4.** Electronic spectra of the ligand 4-(4-chlorobenzoyl)pyridine in DMSO/H2O (5/95) solution



**Fig. S5.** Quantum yield measurement for 4-4-clbzpy labilization upon 453 nm photolysis of *cis*-[Ru(bpy)2(clbzpy)(Cl)](PF6) in ambient temperature DMSO/ H20 (5/95) solution. This is a plot of the incremental quantum yields for absorbance changes at 460 nm. Extrapolation to t = 0 gives the quantum yield 0.129 corrected for inner filter effects.



**Fig. S6.** Electronic spectra for excluded samples upon treatment onto a biospin column P30. Black spectrum for sample A (*cis*-[Ru(bpy)2(clbzpy)(Cl)](PF6) complex +DNA +light, λirr.=453 nm) and blue spectrum for sample B (*cis*-[Ru(bpy)2(clbzpy)(Cl)](PF6) complex +light, λirr.=453 nm)