SUPPLEMENTARY MATERIAL

Antimicrobial, Antioxidant Activity and DNA-binding Affinity of a Few Differente Palladium(II) complexes

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Table S1. The results of antimicrobial activity –positive controls

The tested bacteria	Tetracycline		Ceftriaxone		Vancomycin	
	MIC[a]	MMC[b]	MIC	MMC	MIC	MMC
Bacillus subtilis	0.98	1.96	31.25	31.25	1.96	1.96
B. subtilis ATCC 6633	1.96	15.63	31.25	31.25	0.98	1.96
*Staphylococcus aureus*ATCC 25923	<0.49	1.96	1.96	3.91	0.49	0.98
Proteus mirabilis ATCC 12453	15.62	31.25	< 0.98	< 0.98	31.25	31.25
*Pseudomonas aeruginosa*ATCC 27853	7.81	62.5	7.81	15.62	250	>250
Escherichia coli	1.96	3.91	< 0.98	< 0.98	125	125
E. coli ATCC 25922	0.98	3.91	< 0.98	< 0.98	125	250
Salmonella enterica	0.49	3.91	<0.49	<0.49	250	250
The tested fungi	**Fluconazole**		**Ketoconazole**		**Amphotericin B**	
	MIC[a]	MMC[b]	MIC	MMC	MIC	MMC
Rhodotorulamucilaginosa	31.25	500	<0.49	< 0.49	<0.098	0.39
*Candida albicans*ATCC 10231	31.25	62.5	1.96	1.96	<0.098	<0.098
Saccharomyces boulardii	7.81	31.25	1.96	1.96	<0.098	<0.098
Penicilliumitalicum	250	500	<0.49	<0.49	<0.098	1.56
P.chrysogenum	1000	1000	31.25	62.5	0.195	0.39
*Mucormucedo*ATCC 52568	250	250	7.81	7.81	<0.098	0.39
*Trichodermaviridae*ATCC 13233	500	1000	62.5	125	0.78	1.56
*Aspergillusflavus*ATCC 9170	500	500	<0.49	1.96	0.39	0.78
A. fumigatus ATTC 204305	1000	1000	62.5	125	0.195	0.195
*A. niger*ATCC 16404	1000	1000	31.25	62.5	0.195	0.39

[a]MIC values (µg/ml)– minimal inhibitory concentration

[b]MMC values (µg/ml) – minimal microbicidal concentration

Table S2. Antibiofilm activity of **L1** ligand,**C1** complex and positive control

The tested species	**L1**		**C1**		**Tetracycline**		**Ceftriaxone**		**Vancomycin**	
	BIC_{50}	BIC_{90}	BIC_{50}	BIC_{90}	BIC_{50}	BIC_{90}	BIC_{50}	BIC_{90}	BIC_{50}	BIC_{90}
Proteus mirabilis ATCC 12453	570	>1000	420	>1000	156	250	231	>1000	785	>1000
Pseudomonas aeruginosa ATCC 27853	>1000	>1000	>1000	>1000	156	305	116	>1000	734	>1000
Staphylococcus aureus ATCC 25923	630	>1000	249	530	250	300	475	>1000	63	>1000

*BIC – biofilm inhibitory concentration (μg/mL),

[1]Positive control – the values represent the lowest concentration of antibiotics (tetracycline, ceftriaxone and vancomycin)

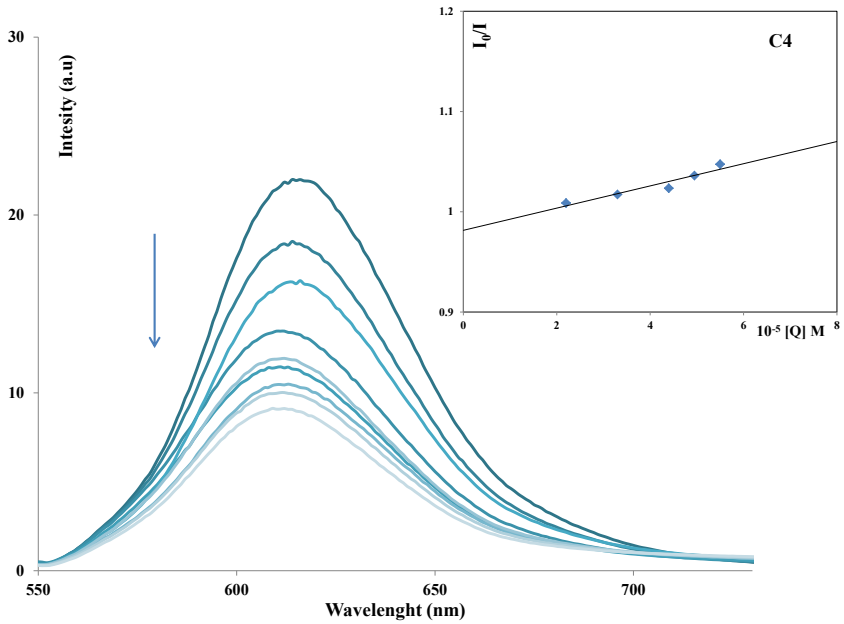

Fig. S1. Fluorescence titration spectra of EthBr-DNA and of EthBr (10 μM) bound to DNA (10 μM) in the presence of varying amounts of complexes **C4**. [Arrow shows changes in fluorescence intensity upon increasing concentration of C**4** (0-20 μM)]. Insert graph: Stern-Volmer plots for EthBr-DNA fluorescence titration with **C4.**