

Human Serum Albumin based Conjugates with Levofloxacin: Synthesis, Properties and Antibacterial Activity

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Supplementary

Table S1. Temperature dependence of the Stern-Volmer quenching constants for the LV-HSA's systems.

	Temperature, K	K_{SV}, M^{-1}	k_q
HSA+LV [30]	298	$(7.5 \pm 0.6) \times 10^4$	$(13 \pm 1) \times 10^{12}$
	302	$(5.8 \pm 0.4) \times 10^4$	$(10.5 \pm 0.7) \times 10^{12}$
	306	$(4.9 \pm 0.2) \times 10^4$	$(8.6 \pm 0.4) \times 10^{12}$
	310	$(3.4 \pm 0.2) \times 10^4$	$(5.9 \pm 0.3) \times 10^{12}$
HSA+(LV+HPCD) [30]	298	$(5.8 \pm 0.5) \times 10^4$	$(10.1 \pm 0.9) \times 10^{12}$
	302	$(4.9 \pm 0.4) \times 10^4$	$(8.6 \pm 0.8) \times 10^{12}$
	306	$(4.5 \pm 0.2) \times 10^4$	$(8.0 \pm 0.4) \times 10^{12}$
	310	$(3.2 \pm 0.1) \times 10^4$	$(5.6 \pm 0.2) \times 10^{12}$
HSA+(LV+HPolS)	310	$(1.1 \pm 0.3) \times 10^5$	$(19 \pm 0.2) \times 10^{12}$
(HSA+HPCD)conj+LV	298	$(3.5 \pm 0.3) \times 10^4$	$(6.2 \pm 0.9) \times 10^{12}$
	302	$(3.0 \pm 0.2) \times 10^4$	$(5.2 \pm 0.3) \times 10^{12}$
	306	$(2.6 \pm 0.1) \times 10^4$	$(4.6 \pm 0.2) \times 10^{12}$
	310	$(2.4 \pm 0.1) \times 10^4$	$(4.3 \pm 0.2) \times 10^{12}$
(HSA+HPolS)conj+LV	298	$(3.5 \pm 0.1) \times 10^4$	$(6.04 \pm 0.08) \times 10^{12}$
	302	$(2.92 \pm 0.04) \times 10^4$	$(5.11 \pm 0.05) \times 10^{12}$
	306	$(2.72 \pm 0.07) \times 10^4$	$(4.76 \pm 0.09) \times 10^{12}$
	310	$(2.5 \pm 0.1) \times 10^4$	$(4.44 \pm 0.1) \times 10^{12}$

Table S2. Energy transfer parameters for the interactions of the drugs with human serum albumin (25 °C, PBS, pH 7.4).

Parameter	HSA+LV	HSA+(LV+HPCD)
$J \times 10^{16}, M^{-1}cm^3$	2.82	3.35
R_0, nm	1.36	1.40
r, nm	1.63	1.82
E_{FRET}	0.2	0.16