

Table S7. Fluorescence quenching parameters of ARPPE, aRPPE-cholesterol (CH), sodium taurocholate (NaTC), and sodium glycocholate (NaGC) complexes at 310 K

Samples	K_{sv} ($10^3 M^{-1}$)	Fitting R_1^2	Stern-volmer equation	K_a ($10^3 M$)	n	Fitting R_2^2	Double logarithmic equation
ARPPE-CH	0.7178	0.9845	$y = 0.7178x + 4.9064$	4.7457	0.1183	0.9202	$y = 0.1183x + 0.6763$
aRPPE-CH	0.6834	0.9277	$y = 0.6834x + 4.8571$	4.6612	0.1160	0.9222	$y = 0.1160x + 0.6685$
ARPPE-NaTC	0.2915	0.8356	$y = 0.2915x + 1.1731$	0.5188	0.4953	0.9327	$y = 0.4953x - 0.285$
aRPPE-NaTC	0.0868	0.9207	$y = 0.0868x + 1.0290$	0.2447	0.6120	0.9392	$y = 0.6120x - 1.0122$
ARPPE-NaGC	0.1006	0.9612	$y = 0.1006x + 1.0376$	0.1307	0.3847	0.8548	$y = 0.3847x - 0.8837$
aRPPE-NaGC	0.0967	0.9952	$y = 0.0967x + 1.1069$	0.1808	0.2180	0.8237	$y = 0.2180x - 0.7429$