

## Supplementary

# Aptamer-functionalized pH-sensitive liposomes for selective delivery of echinomycin into cancer cells

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**Table S1:** Effect of lyoprotectant of the freeze-dried free liposome (Lip<sub>pH</sub>) on Mean hydrodynamic diameter (size), Polydispersity index (PDI) and Zeta-potential (mV).

Ratio of sugar	Mean hydrodynamic diameter (nm ± SD)		Polydispersity index (PDI ± SD)		Zeta potential (mV ± SD)	
	Sucrose	Trehalose	Sucrose	Trehalose	Sucrose	Trehalose
Initial (before freeze-dried)	124 ± 9		0.09 ± 0.06		-17.0 ± 2.0	
Without sugar	863.70 ± 285.75		0.67 ± 0.02		-12 ± 7.6	
1%	252.3 ± 9.56	323.30 ± 32.10	0.37 ± 0.27	0.48 ± 0.06	-	-
2.5%	148.73 ± 15.98	191.17 ± 4.80	0.19 ± 0.13	0.34 ± 0.19	-12 ± 3.01	-24 ± 4.6
5%	131.07 ± 3.69	181.50 ± 12.02	0.11 ± 0.09	0.36 ± 0.08	-16 ± 2.73	-17 ± 2.82
10%	133.00 ± 1.00	162.53 ± 17.07	0.16 ± 0.09	0.27 ± 0.05	-16 ± 4.04	-20 ± 3.10