Table S1. High-performance liquid chromatography (HPLC) gradient solvent system for resveratrol analysis: (A) methanol and (B) water (pH 2.2) containing trifluoroacetic acid (TFA)

Time (min)	Flow (ml min^{-1})	Solvent System (%)	
		(A) Methanol	(B) Water (pH 2.2 with TFA)
0	1	10	90
15	1	100	0
20	1	100	0
23	1	10	10
25	1	10	10

Table S2. Stability evaluation of selected resveratrol-loaded nanostructured lipid carriers (Res-NLCs) after one month at different temperatures: 4°C, 25°C, and 37°C

Code	Time (month)	Temp. (°C)	Z-Average size (nm)±SD	polydispersity index (PDI)±SD	Zeta Potential (mV)±SD	Homogeneity/Color
F4	0		274.2±6.2	0.293±0.021	-10.4±3.6	Homogenous/White
	1	4	282.1±5.6	0.304±0.042	-11.2±4.2	Homogenous/White
		25	261.2±4.3	0.428±0.024	-12.1±5.1	
		37	414.9±3.8	0.332±0.031	-8.3±2.6	
F5	0		212.5±3.8	0.178±0.016	-13.4±3.5	Homogenous/White
	1	4	220.3±2.9	0.179±0.021	-13.1±2.5	Homogenous/White
		25	225.4±3.3	0.185±0.020	-13.7±1.7	
		37	1569±14.2	0.178±0.036	-20.5±4.2	
F6	0		178.8±1.9	0.202±0.030	-6.8±3.4	Homogenous/White
	1	4	170.4±4.5	0.213±0.024	-10.2±3.6	Homogenous/White
		25	160.4±2.5	0.290±0.016	-11.6±2.1	
		37	2344±17.2	0.045±0.042	-10.5±3.2	
F7	0		231.6±4.5	0.298±0.022	-13.6±3.1	Homogenous/White
	1	4	-	-	-	Sediment formation/White
		25	-	-	-	
		37	-	-	-	
F10	0		144.0±5.1	0.117±0.013	-22.6±3.5	Homogenous/White
	1	4	143.1±2.1	0.100±0.035	-19.3±3.2	Homogenous/White
		25	142.4±3.5	0.080±0.021	-17.7±2.5	
		37	150.7±2.9	0.101±0.029	-17.8±3.4	