Supporting Information

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Development of an RP-HPLC Method to Evaluate the Basic Characteristics of Talazoparib-Loaded PLGA Nanoparticles

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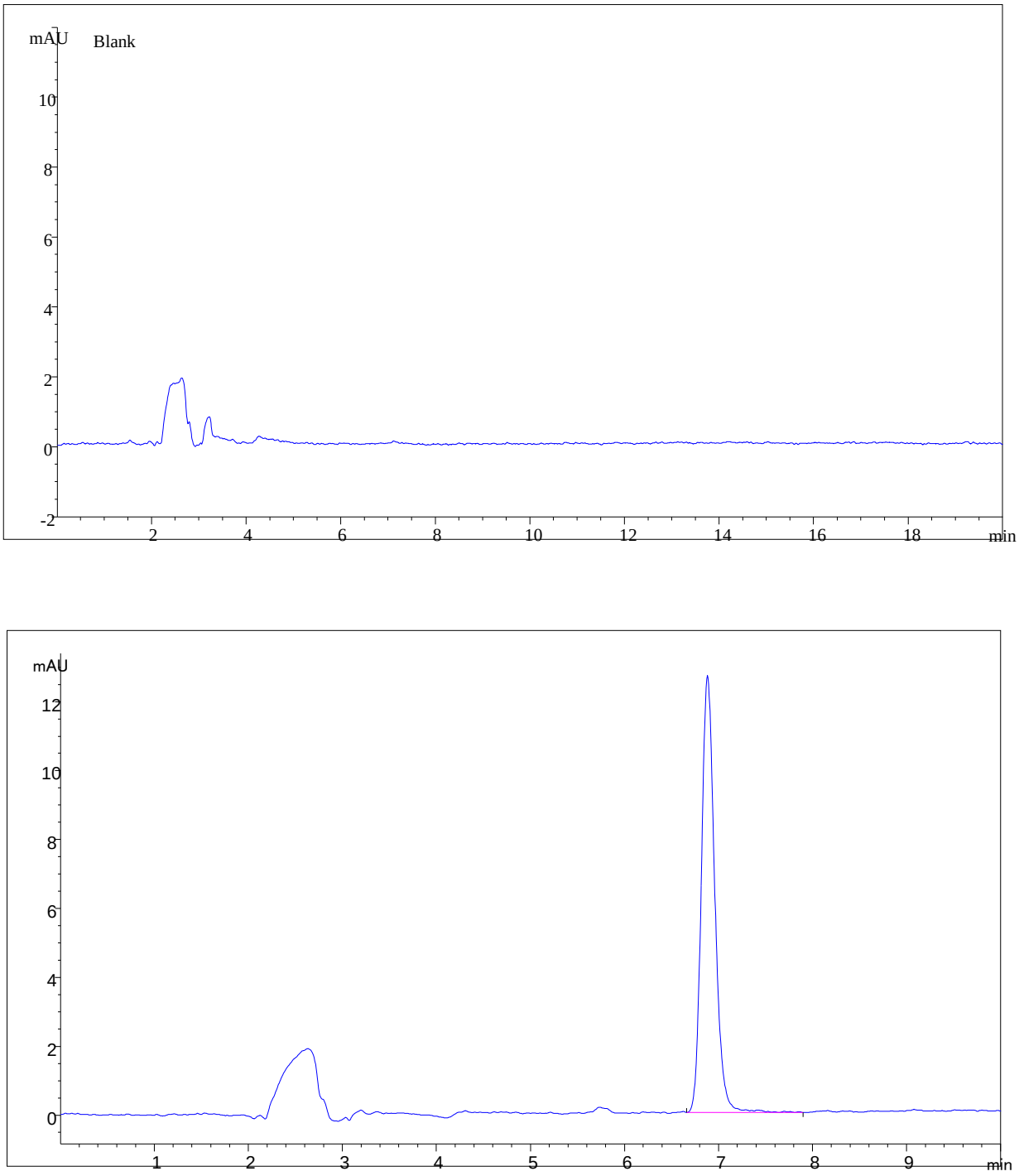

Figure S1 : Chromatograms for standard talazoparib (10.0 µg/mL) and blank nanoparticles obtained under the optimum conditions: Shiseido 5 µm C18 100 Å Column (250 x 4.6 mm). The flow rate: 1.0 mL/min [isocratic elution with ACN:Buffer (35:65) mixture], injection volume: 5 µL, UV detection: 227 nm.

Table S1 : Comparison of theoretical and practical concentrations of standards at 0.1, 5.0, and 10.0 µg/mL concentrations

Talazoparib Solutions		Theorical Quantities (mg/mL)	Recovery %
Upper limit	1	10.0	100.94
	2	10.0	100.44
	3	10.0	100.72
		Mean Accuracy (%)	100.70
		Standard Deviation	0.25
		RSD (%)	0.25
Intermediate limit	1	5.0	100.24
	2	5.0	101.63
	3	5.0	100.81
		Mean Accuracy (%)	100.89
		Standard Deviation	0.70
		RSD (%)	0.70
Lower limit	1	0.1	100.27
	2	0.1	100.02
	3	0.1	100.79
		Mean Accuracy (%)	100.36
		Standard Deviation	0.40
		RSD (%)	0.40