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Supplementary File

In Vivo Biocompatible Self-Assembled Nanogel Based on Hyaluronic Acid for Aqueous Solubility and Stability Enhancement of Asiatic Acid

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Supplementary information

Dependent variables	Independent variables	Independent variables	Mean difference	*p* value
Loading amount (mM)	AA-HA-pNIPAM 0.1	AA-HA-pNIPAM 0.15	0.124**	0.005**
		AA-HA-pNIPAM 0.25	0.625***	< 0.001***
	AA-HA-pNIPAM 0.15	AA-HA-pNIPAM 0.25	0.510***	< 0.001 ***
Loading efficiency (%)	AA-HA-pNIPAM 0.1	AA-HA-pNIPAM 0.15	6.041**	0.005**
		AA-HA-pNIPAM 0.25	30.546***	< 0.001***
	AA-HA-pNIPAM 0.15	AA-HA-pNIPAM 0.25	24.505***	< 0.001***
Loading capacity (%)	AA-HA-pNIPAM 0.1	AA-HA-pNIPAM 0.15	5008.641***	< 0.001 ***
		AA-HA-pNIPAM 0.25	9841.981***	< 0.001***
	AA-HA-pNIPAM 0.15	AA-HA-pNIPAM 0.25	4832.804***	< 0.001***
Entrapment efficiency (%)	AA-HA-pNIPAM 0.1	AA-HA-pNIPAM 0.15	-12.159***	< 0.001***
		AA-HA-pNIPAM 0.25	-14.679**	0.002**
	AA-HA-pNIPAM 0.15	AA-HA-pNIPAM 0.25	-2.510	0.811

$^{**}p < 0.01$, $^{***}p < 0.001$ vs. between mean values of two independent variables.

Table S1: Statistical analysis of loading amount, loading efficiency, loading capacity and entrapment efficiency of the nanogel formulations (mean ± SD, $n = 3$).