

## Supplementary Information

# Novel non-mulberry silk fibroin nanoparticles with enhanced activity as potential candidate in nanocarrier mediated delivery system

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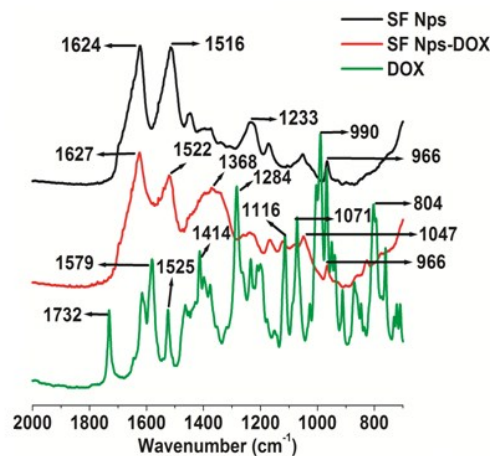
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**Table S1.** Particle size, zeta potential and polydispersity index of DOX loaded AA-SFNps, data represents mean  $\pm$  SD (n = 3)

Sample	Size (nm)	Zeta potential (mV)	Polydispersity index (Pdl)
AA-SFNps	190.3 $\pm$ 6.1	- 28.1 $\pm$ 3.4	0.278 $\pm$ 0.37
AA-SFNps-DOX	248.03 $\pm$ 7.54	- 17.8 $\pm$ 2.83	0.492 $\pm$ 0.04



**Fig S1.** FTIR spectra showing formation of new peaks as a result of Doxorubicin loading into AA-SFNps.