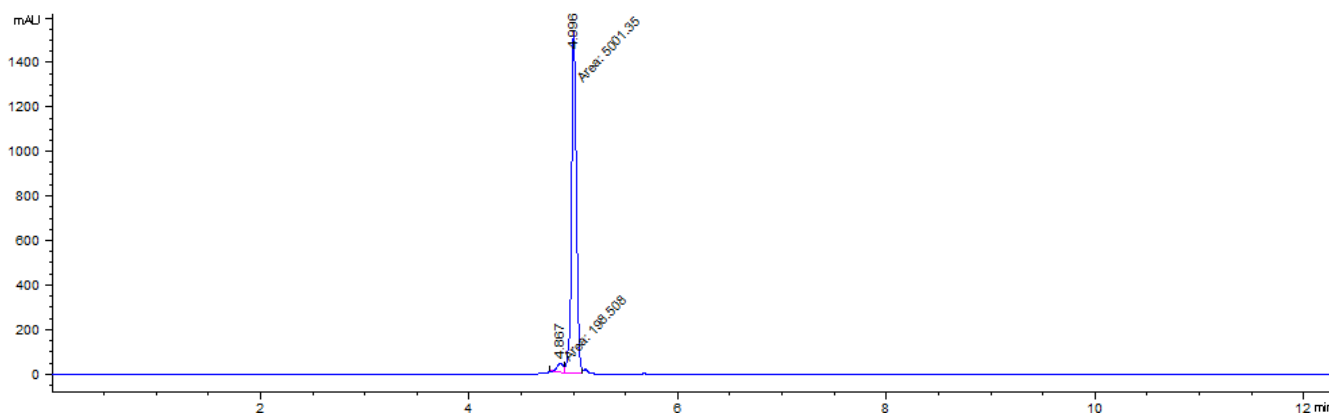
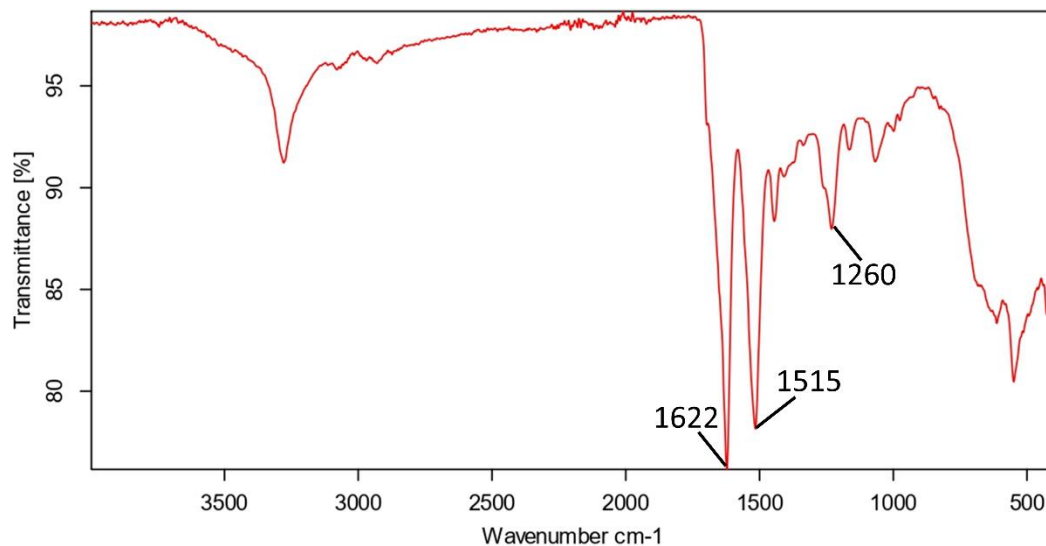


Supplementary materials

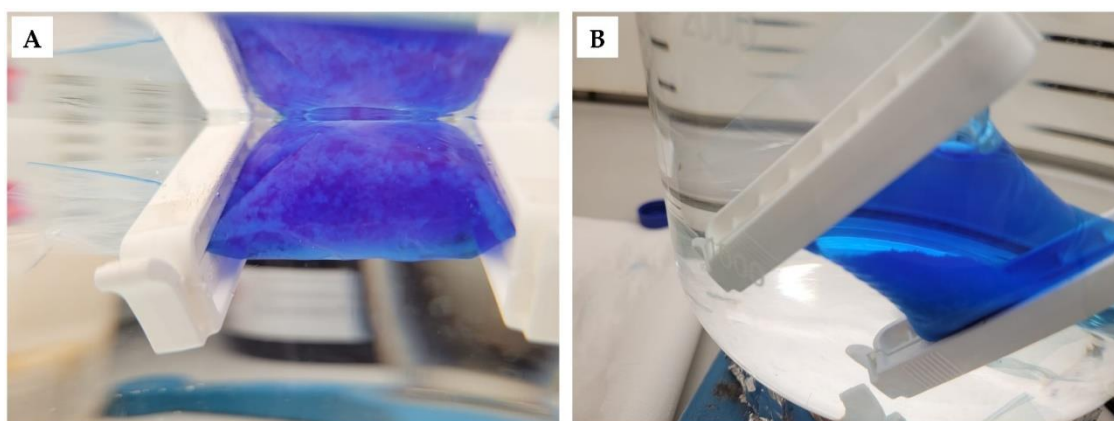
## Silk Fibroin Nanoparticles Functionalized with RGD-based Cyclic Pentapeptide: a “Magic Bullet” for a Potent Unselective Anticancer Naphthalene Diimide Derivative



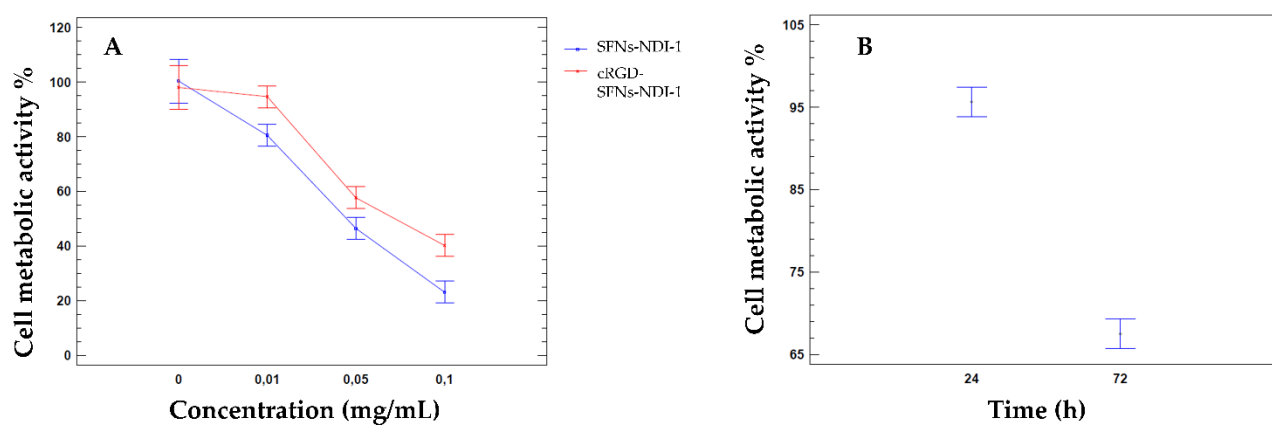
**Figure S1.** Analytic HPLC profile of pure NDI-1 (rT = 4.996 min, 96.2%).



**Figure S2.** Representative FTIR spectra for SFNs



**Figure S3.** Flocculation of SFNs-NDI-1 during dialysis (A) progressively leads to flocculated sediment formation (B).



**Figure S4.** Effect of concentration (A) and time (B) on cell metabolic activity. Data are reported as mean values of the cell metabolic activity of both cell lines  $\pm$  LSD,  $n=4$