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Supplementary Information

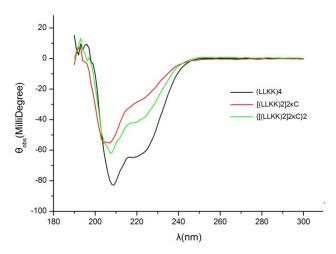


Fig. S1 CD Spectra of (LLKK)4, [(LLKK)2]2κC and {[(LLKK)2]2κC}2 (0.5 mg/mL peptides in 25 mM SDS surfactant).

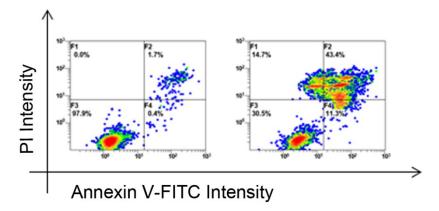


Fig. S2 The mechanism of action of the linear peptide (LLKK)4. BCap37 cells were treated with (LLKK)4 at IC_{50} concentration (8.2 mg/L) for 48 hours, then harvested and stained with PI and Annexin V-FITC before flow cytometric analysis. Left: Control; Right: Treatment at IC_{50} .

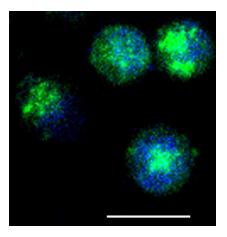


Fig. S3 Zoom-in image of BCap37 cells with merged fluorescence. After 2-hour incubation with FITC-labeled {[(LLKK)2]2 κ C}2 at IC₅₀, the cells were stained with DAPI, then fixed and observed under confocal microscopy. Scale bar: 20 μ m.

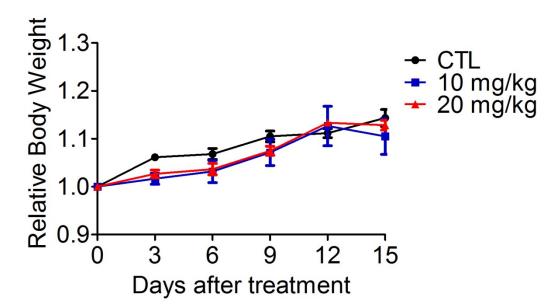


Fig. S4 The relative body weight of the mice. Nude mice bearing BCap37 tumors were treated with{[(LLKK)2]2 κ C}2 (10 mg/kg or 20 mg/kg, intra-tumorally, q2d × 6). The body weight were measured every 3 days and the mean relative body weight of each treated group were compared with that of control group(p > 0.05). Data are presented as mean \pm standard deviation.