Supporting information

Synthesis of Au/lignin-tannin particles and their anticancer application

Zhicheng Jiang, Jinjie Duan, Xingjie Guo, Ya Ma, Chunjiong Wang*, Bi Shi*

Table S1 Diameter of Au particles analyzed by XRD and TEM.

Samples	Au/L_1T_0	$Au/L_{0.75}T_{0.25}$	$Au/L_{0.5}T_{0.5}$	$Au/L_{0.25}T_{0.75}$	Au/L_0T_1
Crystalline size $_{XRD}$ (nm)	-	9.4	9.6	9.0	6.6
Particle size $_{TEM}$ (nm)	7.0	13.2	13.0	12.4	7.1

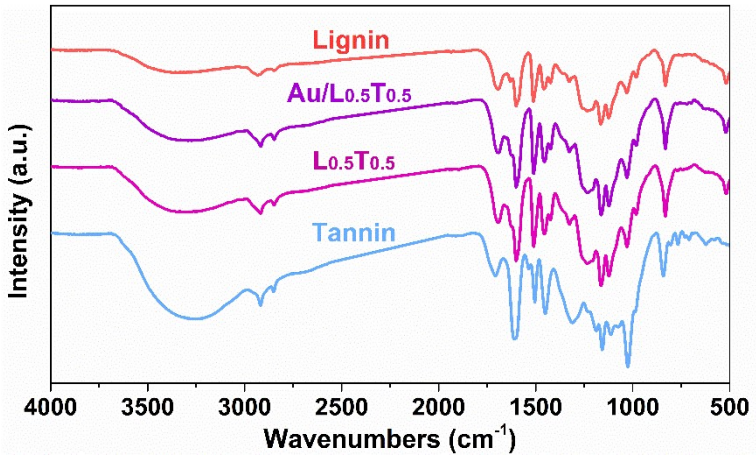

Fig. S1 FTIR spectra of the lignin/tannin fractions from solvothermal extraction and the LT particles.

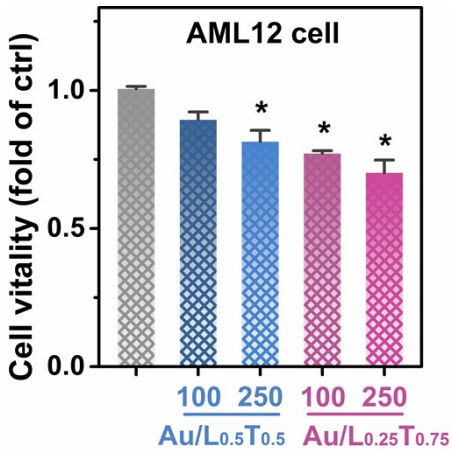

Fig. S2 The effects of Au/LT particles on the vitality of AML12 cells. AML12 cells were treated with $Au/L_{0.5}T_{0.5}$ (100 μg/mL or 250 μg/mL) or $Au/L_{0.25}T_{0.75}$ (100 μg/mL or 250 μg/mL) for 24 h and cell vitality was determined by Cell Counting Kit-8. n=4, *P<0.05.