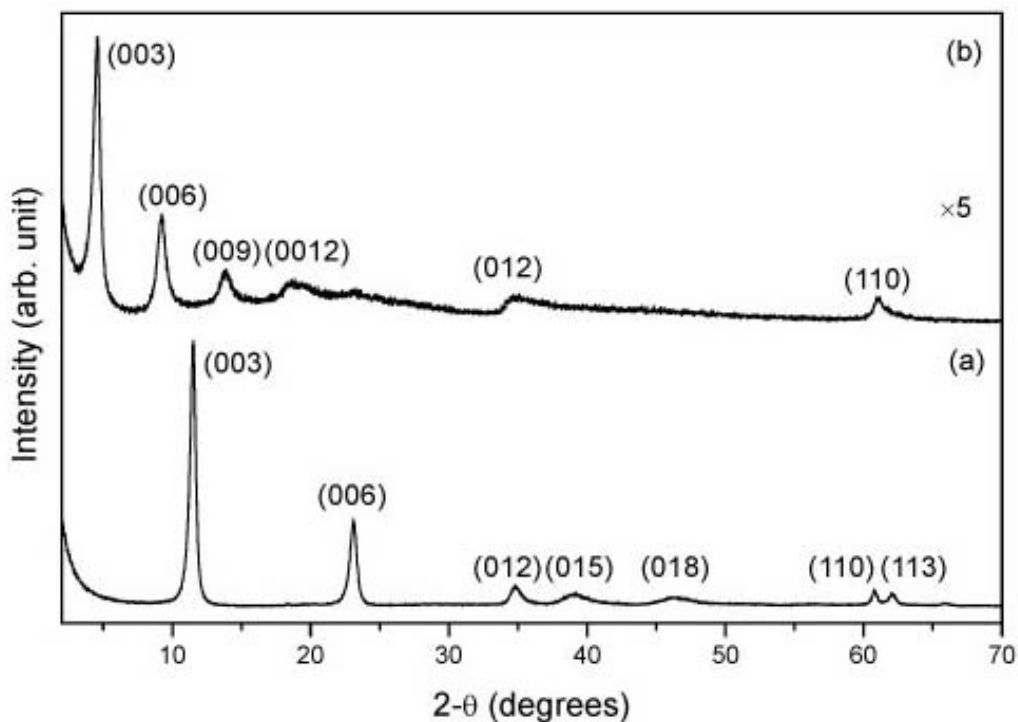


Anticancer drug encapsulated in inorganic lattice can overcome drug resistance

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Supporting information



Supporting Figure 1. X-ray diffraction pattern of (a) pristine LDH and (b) MTX-LDH. The intensity of pattern (b) was multiplied by $\times 5$ for the comparison with (a)

As shown in the powder X-ray diffraction pattern in supporting fig. 1, both pristine LDH having Cl^- ions and MTX-LDH represent well-developed $(00l)$ peaks, revealing the 2-dimensional structure. The (003) peak appeared at $2\theta \sim 11.35^\circ$ and 4.45° for MTX-LDH and pristine LDH, respectively, and the values correspond to the d-spacing of 0.78 and 1.99 nm.