

Supplementary Information

Magnesium hydroxide nanoplates: a pH-reponsive platform for hydrophobic anticancer drug delivery

Mingyi Guo,^{a,b} Faheem Muhammad,^a Aifei Wang,^a Wenxiu Qi,^d Nan Wang,^e Yingjie Guo,^d Yen Wei,^c Guangshan Zhu^{*a}

^a *State Key Laboratory of Inorganic Synthesis and Preparative Chemistry, Jilin University, Changchun, 130012, P. R. China.*

E-mail: zhugs@jlu.edu.cn; Fax: +86 431 85168331; Tel: 86 431 85168331

^b *College of Construction Engineering, Jilin University, Changchun, 130026, P. R. China.*

^c *Department of Chemistry, Tsinghua University, Beijing, 100084, China.*

^d *College of Life Science, Jilin University, Changchun, 130012, P. R. China.*

^e *Department of Radiology, The First Hospital of Jilin University, Norman Bethune College of Medicine, Changchun, 130021, P. R. China.*

Table S1. Zeta potential of $\text{Mg}(\text{OH})_2\text{-NH}_2$ and $\text{CUR@Mg}(\text{OH})_2\text{-NH}_2$.

Materials	Zeta Potential (mV)
$\text{Mg}(\text{OH})_2\text{-NH}_2$	25.4 ± 1.9
$\text{CUR@Mg}(\text{OH})_2\text{-NH}_2$	-5.67 ± 0.4

Figure S1. In vitro MTT assay of $\text{Mg}(\text{OH})_2\text{-NH}_2$ with different concentration.

