

Supporting Information

A novel wound dressing based on gold nanoparticles self-assembled hydrogel to promote wound healing

Weihong Chen ^{a,†}, Ruixi Chu ^{b,c,†}, Hualong Li ^{d,†}, Tianfeng Hua ^a, Hong Chen ^b, Rui Li ^b, Deqing Zhou ^c, Sufeng Cao ^c, Sheng Ye ^{b,*}, He Li ^{a,*}

^a Department of Emergency Surgery & The 2nd Department of Intensive Care Unit, the Second Hospital of Anhui Medical University, Hefei, Anhui 230001, China

^b College of Science & School of Plant Protection, Anhui Agricultural University, Hefei, Anhui 230036, China

^c College of Animal Science and Technology, Anhui Agricultural University, Hefei, Anhui 230036, China

^d People's Hospital of Fengyang County, Chuzhou, Anhui 233100, China.

^e Aramco Americas Boston Research Center, 400 Technology Square, Cambridge, MA 02139, United States

* Email: lihe@ahmu.edu.cn, sye503@ahau.edu.cn

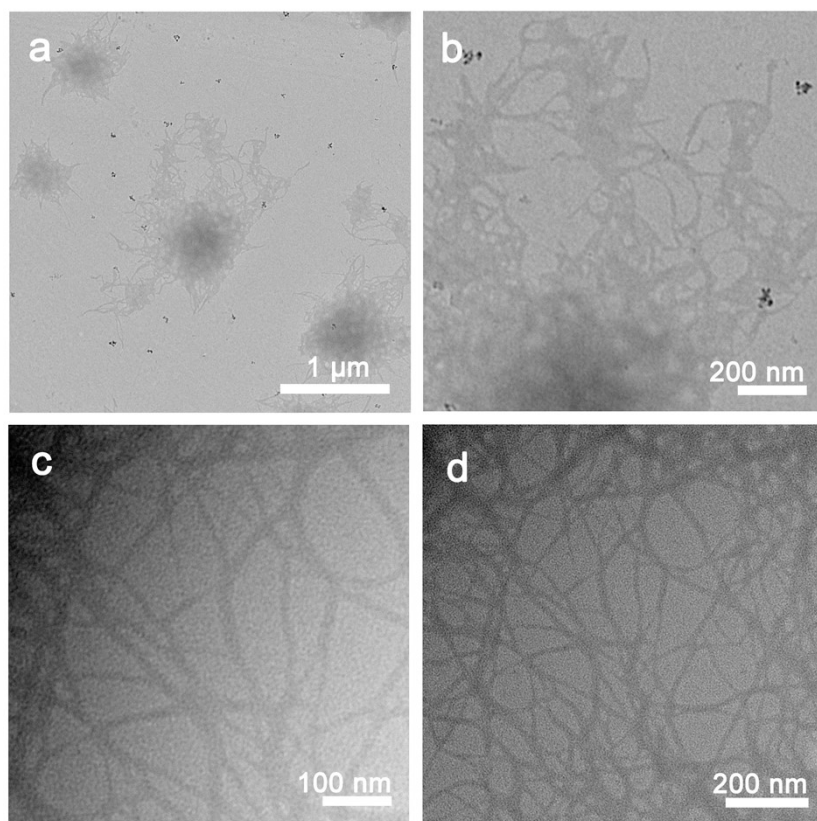


Fig. S1 TEM images of Gel NapFFY, respectively.

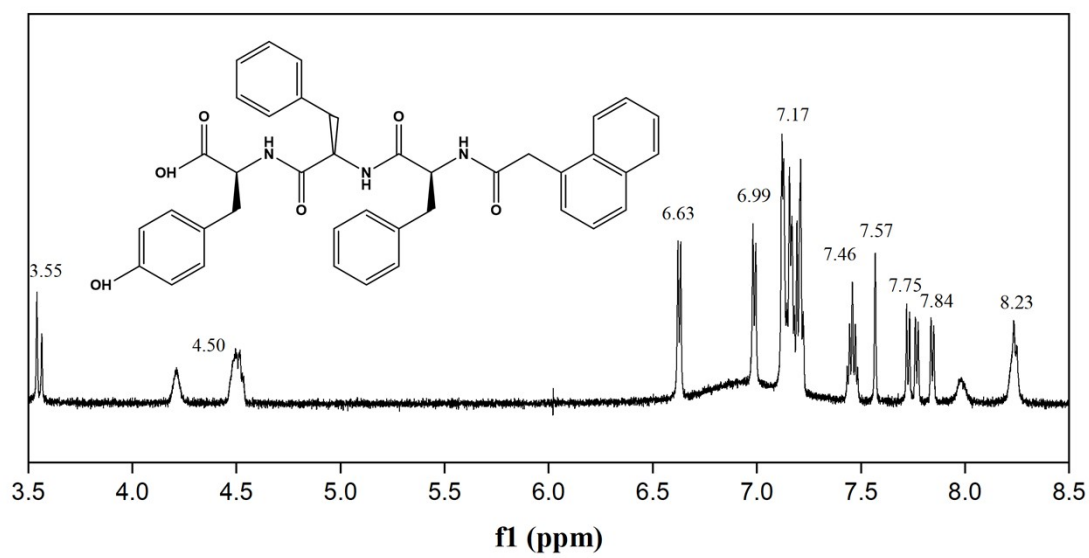


Fig. S2 ^1H NMR spectrum of NapFFY.

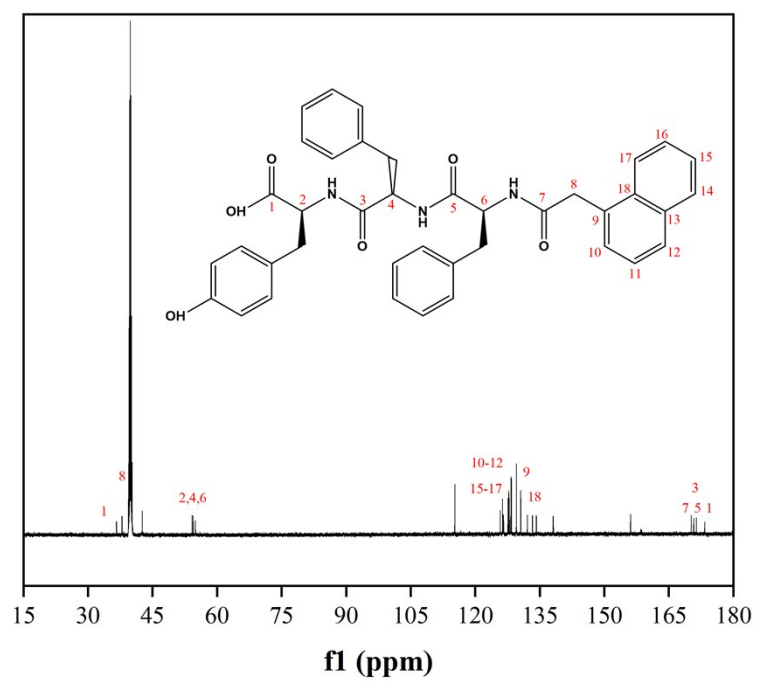


Fig. S3 ^{13}C NMR spectrum of NapFFY.

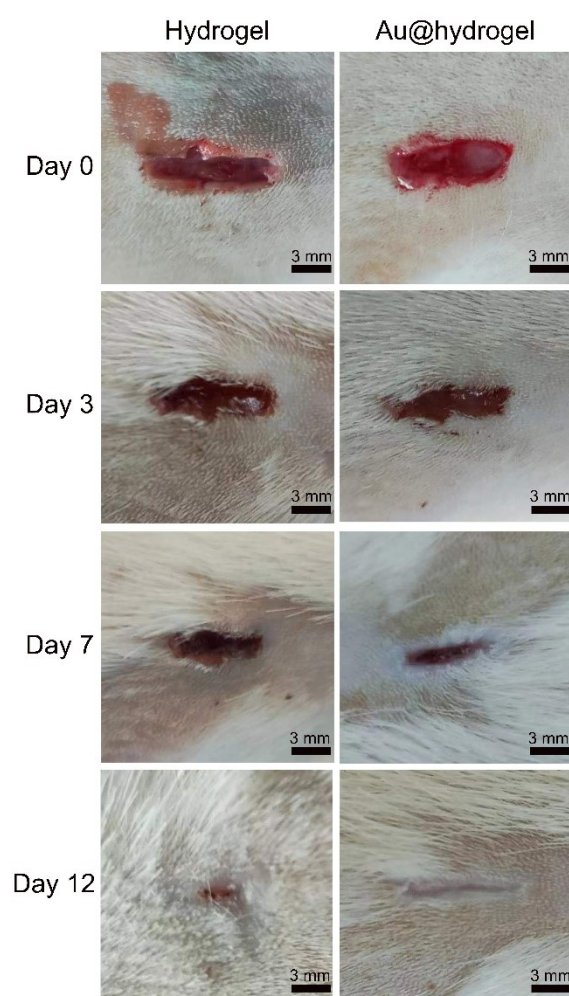


Fig. S4 Healing of wounds in rats within 12 days of the incision model.