Electronic Supplementary Information

Tannic acid loaded mesoporous silica for hemostasis and antibacterial

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Figure S1 FTIR spectra of MS and MS-NH₂



Figure S2 TG characterization of MS, MS-NH₂ and 30T-g-MS



Figure S3 Zeta potential of MS and MS-NH₂



Figure S4 A) N₂ adsorption/desorption isotherms of MS and MS-NH₂. B) The corresponding pore-size distribution of MS and MS-NH₂.



Figure S5 The wound healing processes under treatments of TA. A) Photographs of the appearance of different wounds on days 1, 5, 10 and 15 postoperation with the treatment of TA. B) H & E staining of the wounds treated with TA at day 15 postoperation. C) The wound closure rate of TA treated on different days postoperation. (Scale bar: black 200 μ m, white, 100 μ m)