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A physically crosslinked polydopamine/nanocellulose hydrogel as potential versatile vehicles for drug delivery and wound healing

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Abbreviations

CNFs, cellulose nanofibrils; TEMPO, 2,2,6,6-tetramethylpiperidine-1-oxyl; TOCNFs, TEMPO oxidized cellulose; PDA, polydopamine; TH, tetracycline hydrochloride; NIR, near-infrared responsive; PDI, polydispersity index; BSKP, bleached softwood kraft pulp; PDA-TH, TH-loaded PDA; DLR, drug loading ratio; PBS, phosphate-buffered solution; H & E, hematoxylin and eosin; LB, lysogeny broth; PNIPAM, poly (N-isopropylacrylamide); GT, granulation tissue; HT, host tissue.

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