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Targeting renal fibrosis: mechanisms and drug delivery systems

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¹Abbreviations

1 α -SMA, α -smooth muscle actin; Ad, Adamantane; BMP-7, Bone morphogenetic protein 7; CD, β -cyclodextrine; CKD, Chronic kidney disease; CPP, Cell penetrating peptide; COX-2, Cyclooxygenase 2; CTGF, Connective tissue growth factor; DAMPs, Danger associated molecular patterns; DCN, Decorin; DnL, Dock and Lock; DVD Ig, Dual variable domain Immunoglobulin; ECM, Extracellular matrix; ERK, Extracellular signal-regulated kinase; FGF2, Fibroblast growth factor 2; FMOD, Fibromodulin; FnEDA, Extradomain A of fibronectin; HA, Hyaluronan; HA-Ad polymer, Ad-bound HA; HA-CD polymer, CD-bound HA; HO-1, Heme oxygenase-1; LMWC, Low molecular weight chitosan; LMW-HA, Low molecular weight hyaluronan; LZM, Lysozyme; IRI, ischemia reperfusion injury; miRNA, microRNA; miR-21i, miRNA-21 inhibitor; M6PRBP1, Mannose-6-Phosphate Receptor-Binding Protein 1; MAPK, Mitogen-activated protein kinases; MSCs, Mesenchymal stem cells; NEDD4, Neuronal precursor cell-expressed developmentally downregulated 4; NF- κ B, nuclear factor kappa-light-chain-enhancer of activated B cells; PEG, Polyethylene glycol; PEI, Polyethyleneimine; PMX B, Polymyxin B; PPAR- γ , Peroxisome proliferator-activated receptor gamma; Proximal tubular epithelial

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