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Liver fibrosis: Direct antifibrotic agents and targeted therapies

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Abbreviations: ASO, antisense oligonucleotide; ECM, extracellular matrix; DDR, discoidin domain receptor; FAP, fibroblast activation protein; HSC, hepatic stellate cell(s); MF, myofibroblast(s); Lox, lysyl oxidase; Loxl, lysyl oxidase like; MMP, matrix metalloproteinase; NAFLD, nonalcoholic fatty liver disease; NASH, nonalcoholic steatohepatitis; PDGF, platelet derived growth factor; siRNA, small interfering RNA; TGF, transforming growth factor; TG2, transglutaminase 2; TIMP, tissue inhibitor of metalloproteinases

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