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G protein-coupled receptors as potential targets for nonalcoholic fatty liver disease treatment

Ming Yang, Chun-Ye Zhang

Abstract

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Nonalcoholic fatty liver disease (NAFLD) is a broad-spectrum disease, ranging from simple hepatic steatosis to nonalcoholic steatohepatitis (NASH), which can progress to cirrhosis and liver cancer. Abnormal hepatic lipid accumulation is the major manifestation of this disease, and lipotoxicity promotes NAFLD progression. In addition, intermediate metabolites such as succinate can stimulate the activation of hepatic stellate cells (HSCs) to produce extracellular matrix proteins, resulting in progression of NAFLD to fibrosis and even

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