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(57) Abstract

ABSTRACT The invention relates to a composition for promoting liver regeneration and providing a hepatoprotective effect. It comprises a selective GSK-3β inhibitor, which is a chemical compound that inhibits GSK-3β activity, and a pharmaceutically acceptable carrier. The selective GSK-3β inhibitor accumulates β-catenin and activates the Wnt/β-catenin signaling pathway in the liver, thereby stimulating liver regeneration and repair. The composition can be formulated for oral, intravenous, or intraperitoneal administration. Additionally, a solid oral composition is described, which includes the selective GSK-3β inhibitor and one or more pharmaceutically acceptable excipients, formulated as a tablet with specific amounts of diluents, binders, disintegrants, and lubricants. A method for promoting liver regeneration and providing a hepatoprotective effect by administering the composition to a subject with liver toxicity or damage is also disclosed. Reference Fig 1

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