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(57) Abstract :

A pharmaceutical solid matrix composition is designed for treating ischemic stroke in patients with diabetes. The composition includes Salidroside, known for its neuroprotective and antioxidant properties, combined with a hydrophilic matrix former and a hydrophilic release rate modifier. This tablet formulation aims to reduce oxidative stress and inflammation while enhancing antioxidant defenses and glucose metabolism. Additionally, it offers protection against hypoxic brain injury. The method of treatment involves administering this composition to improve blood glucose levels and insulin sensitivity, particularly within a critical time window for effective reperfusion and recovery in diabetic patients. Reference Fig 1

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