

**Animal care and use statement:**

Male Sprague-Dawley (SD) rats were included in our study (Experimental Animal Center of Guangxi Medical University, China). All the rats were provided with standard feed and water ad libitum and individually housed at a constant temperature (18-20°C) and humidity (60-70%) with a 12h light/dark cycle. All animal experiments were approved by the Institutional Animal Care and Use Committee of Guangxi Medical University and the animal protocol was designed to minimize the pain and discomfort of the animals.