

## Animal care and use statement

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**Title:** Inhibition of SphK1 Ameliorates Acute Liver Failure by Reducing HMGB1 Cytoplasmic Translocation in Liver Cell

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The animal protocol was designed to minimize pain or discomfort to the animals. The animals were acclimatized to laboratory conditions (23°C, 12h/12h light/dark, 50% humidity, *ad libitum* access to food and water) for two weeks prior to experimentation. Intragastric gavage administration was carried out with conscious animals, using straight gavage needles appropriate for the animal size (15-17 g body weight: 22 gauge, 1 inch length, 1.25 mm ball diameter). All animals were euthanized by barbiturate overdose (intravenous injection, 150 mg/kg pentobarbital sodium) for tissue collection.

Signature: Pei-Fen Zheng Date: 12/7/2015