

Approval of Animal Experimental Ethical Inspection

No.XZ202411

entry name	Alone or in Combination. Hyaluronic Acid and Chondroitin Sulfate Alleviate ECM Degradation in Osteoarthritis by Inhibiting the NF- κ B Pathway						
name	Songwen Tan	Gender	Male	Education	Ph.D	Title	None
Summary of research content: OA was modeled in rats through anterior cruciate ligament transection and in cells using IL-1 β pretreatment. Treatments included HA and CS, alone or combined, with and without PMA (an NF- κ B pathway activator). Cartilage tissue was analyzed using HE and Saffron O-fast green staining, with degradation assessed via the OARSI score. Inflammatory factors were measured by ELISA, and ECM-related proteins were detected by immunohistochemistry, immunofluorescence, and Western blotting. Chondrocyte viability was assessed using CCK8							
The applicant (project leader) promises: The above information is true. If approved, I will conduct the research in strict accordance with the provided scheme and comply with the relevant regulations of the Animal Ethics Committee of Hunan Evidence-based Biotechnology Co., Ltd. Signature of applicant (project leader): <i>Songwen Tan</i> Date: <i>October 29, 2023</i>							
Approval opinions of the Ethics Committee: Agree.  Ethics Committee (seal) Date: <i>November 5, 2023</i>							