

# **Amelioration of Adjuvant-induced Arthritis in Rats by a Marine-derived Compound, Excavatolide B**

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**Normal bone remodeling requires a homeostatic balance between the activities of bone-forming osteoblasts and bone-resorbing osteoclasts. Excessive osteoclast bone resorption leads to bone loss in many skeletal pathologies such as rheumatoid arthritis, periodontal disease, postmenopausal osteoporosis, implant osteolysis, and tumor-associated bone loss (Zheng H. et al., 2006). Here, we introduced adjuvant-induced arthritis as a rheumatoid arthritis model to investigate the possible pathway of Excavatolide B, a marine-derived compound, on ameliorating the symptoms of rheumatoid arthritis.**