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Alpinumisoflavone rescues glucocorticoid-induced apoptosis of osteocytes via suppressing Nox2-dependent ROS generation

Alpinumisoflavone rescues glucocorticoid-induced apoptosis of osteocytes via suppressing Nox2-dependent ROS generation

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Abstract

Background: Long term use of glucocorticoids is one of the most common causes of secondary osteoporosis. Osteocyte, the most abundant cell type in bone, coordinates the function of osteoblast and osteoclast. This study evaluates the protective effect of alpinumisoflavone (AIF), a naturally occurring flavonoid compound, on dexamethasone (Dex)-induced apoptosis of osteocytes.

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