

Establishment of *in vivo* osteoporosis in zebrafish (*Danio rerio*)

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Osteoporosis is a major public health problem given the aging population and the widespread use of steroids. Osteoporosis is characterized by a reduction in bone mass, leading to bone fragility and at risk of fracture. Although a number of effective therapies exist that stabilize bone mass, there are . Therefore, it is necessary for new drugs development. Zebrafish (*Danio rerio*) are becoming a popular model for several human disease because of their potential vertebrate relevance (Goldsmith P, 2004). In order to establish a model for drug screening of osteoporosis, we use a series of compounds to inhibit bone formation.

結果:

1. calcein 螢光染色 control 曲線 和兩張圖疊合
2. Treat 結果 不同 Dose

Goldsmith P: Zebrafish as a pharmacological tool: the how, why and when.

Curr Opin Pharmacol 2004;4:504-512.

1~7 天(阿空) 長條圖

3~7 天(辣)

3~4 天(我 OR 辣)