



RETRACTED: Corrigendum: A Matrine Derivative M54 Suppresses Osteoclastogenesis and Prevents Ovariectomy-Induced Bone Loss by Targeting Ribosomal Protein S5

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Patrizia Ballerini, University of Studies G. d'Annunzio Chieti and Pescara, Italy

Reviewed by:

Satish Ramalingam, SRM Institute of Science and Technology, India

*Correspondence:

Chen Xiao sirchenxiao@126.com Su Jiacan drsujiacan@163.com

These authors have contributed equally to this work

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Front. Pharmacol. 12:6055921. doi: 10.3389/fphar.2021.605592 Zhi Xin^{1†}, Cui Jin^{1†}, Liu Chao^{2†}, Zhang Zheng¹, Cao Liehu^{3,4}, Pan Panpan^{3,4}, Weng Weizong^{3,4}, Zhai Xiao³, Zhao Qingjie², Hu Honggang², Qin Longjuan⁵, Chen Xiao^{3,4*} and Su Jiacan^{3,4*}

¹Graduate Management Unit, Shanghai Changhai Hospital, Second Military Medical University, Shanghai, China, ²School of Pharmagy, Second Military Medical University, Shanghai, China, ³Department of Orthopedics, Shanghai Changhai Hospital, Second Military Medical University, Shanghai, China, ⁴China-South Korea Bioengineering Center, Shanghai, China, ⁵Orthopedic Basic and Translational Research Center, Jiangyin, China

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A Corrigendum on

A Matrine Derivative M54 Suppresses Osteoclastogenesis and Prevents Ovariectomy-Induced Bone Loss by Targeting Ribosomal Protein S5

by Zhi, X., Cui, J., Liu, C., Zhang, Z., Cao, L., Pan, P., Weng, W., Zhai, X., Zhao, Q., Hu, H., Qin, L., Chen, X., and Su, J. (2018). Front. Pharmacol. 9:22. doi: 10.3389/fphar.2018.00022

In the original article, there were mistakes in **Figures 1C**, **6C** as published. In Figure 1C, the original image of RANKL induced group was mistakenly selected. **Figure 1C** is now replaced with the right image. In **Figure 6C**, the original image of OVX group was wrongly selected. **Figure 6C** is now replaced with the right image. The corrected **Figures 1C**, **6C** appear below.

The authors apologize for these errors and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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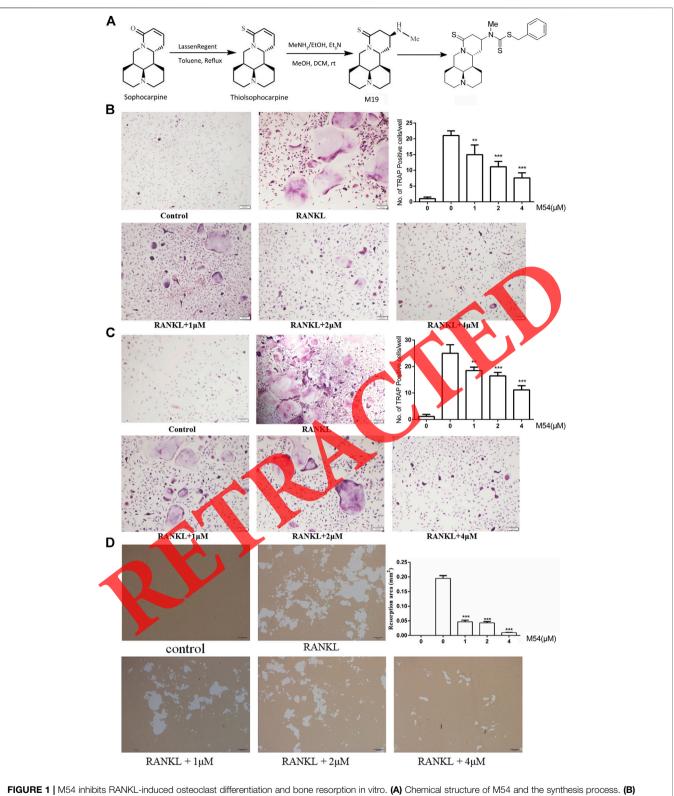


FIGURE 1 | M54 inhibits RANKL-induced osteoclast differentiation and bone resorption in vitro. (A) Chemical structure of M54 and the synthesis process. (B) Formation of TRAP-positive cells from BMMCs and the quantification of formed osteoclasts. (C) Formation of TRAP-positive cells from RAW264.7 cells and the quantification of formed osteoclasts. (D) The resorption area on the bone biomimetic synthetic surface was quantified by image analysis (*p < 0.05, **p < 0.01, ***p < 0.001).

