



## Supplementary Material

# Eudebeiolide B inhibits osteoclastogenesis and prevents ovariectomy-induced bone loss by regulating RANKL-induced calcium signaling

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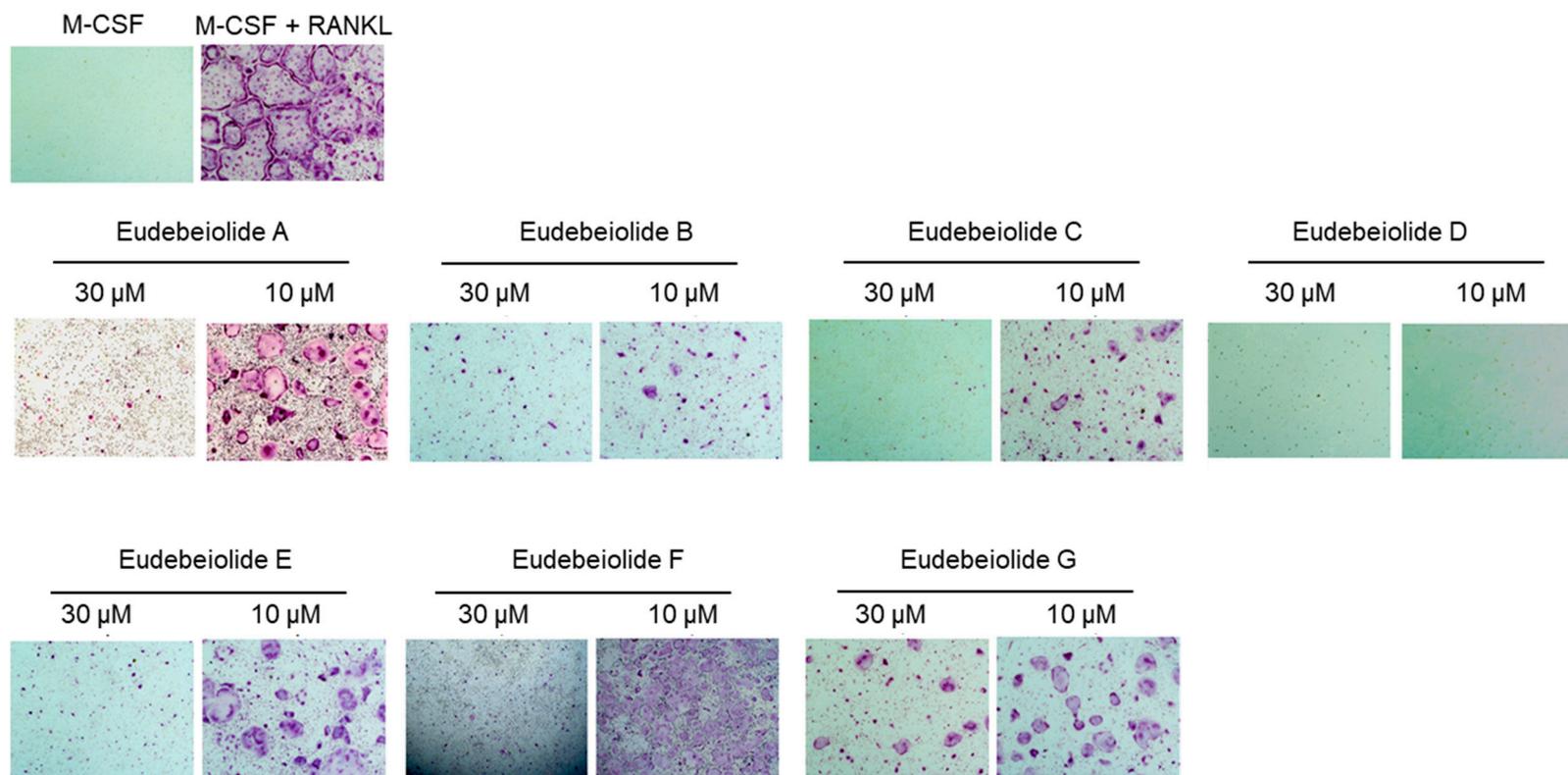
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**Figure S1.** Anti-osteoclastogenesis activities of sesquiterpenoids isolated from *Salvia plebeia* EtOH extract.

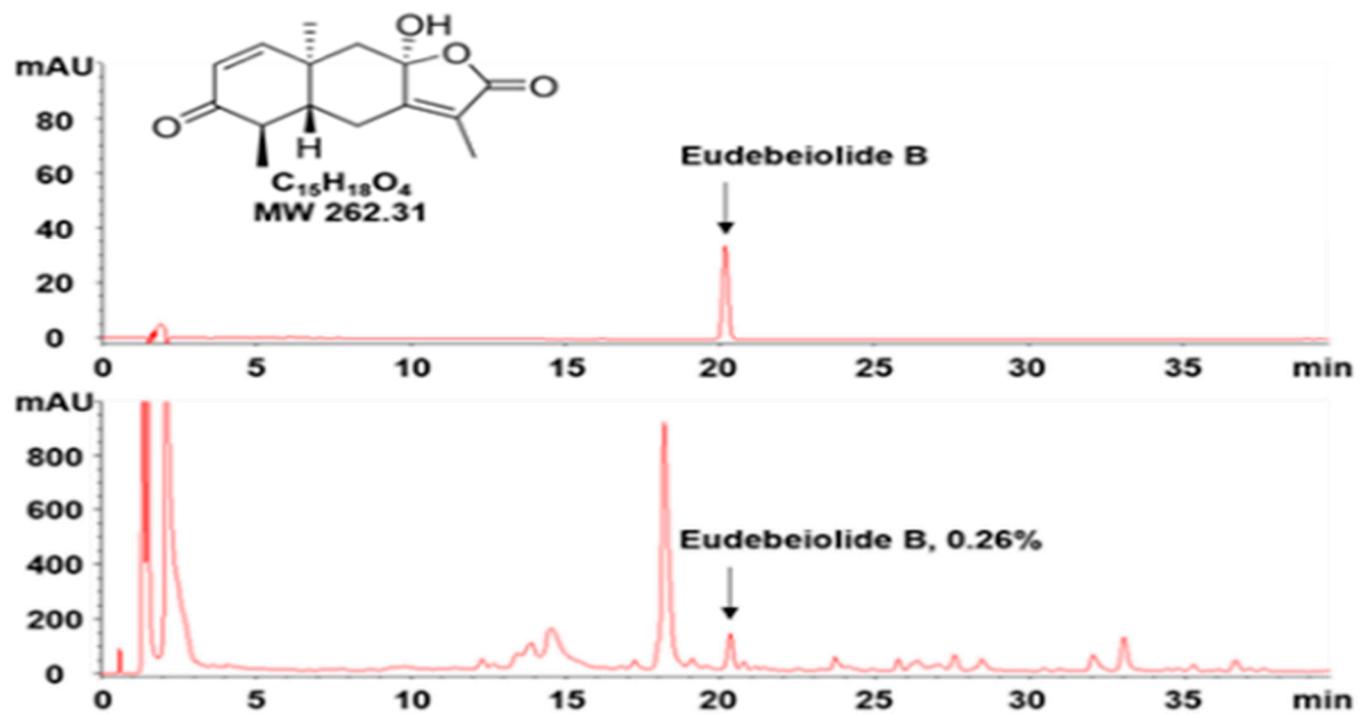
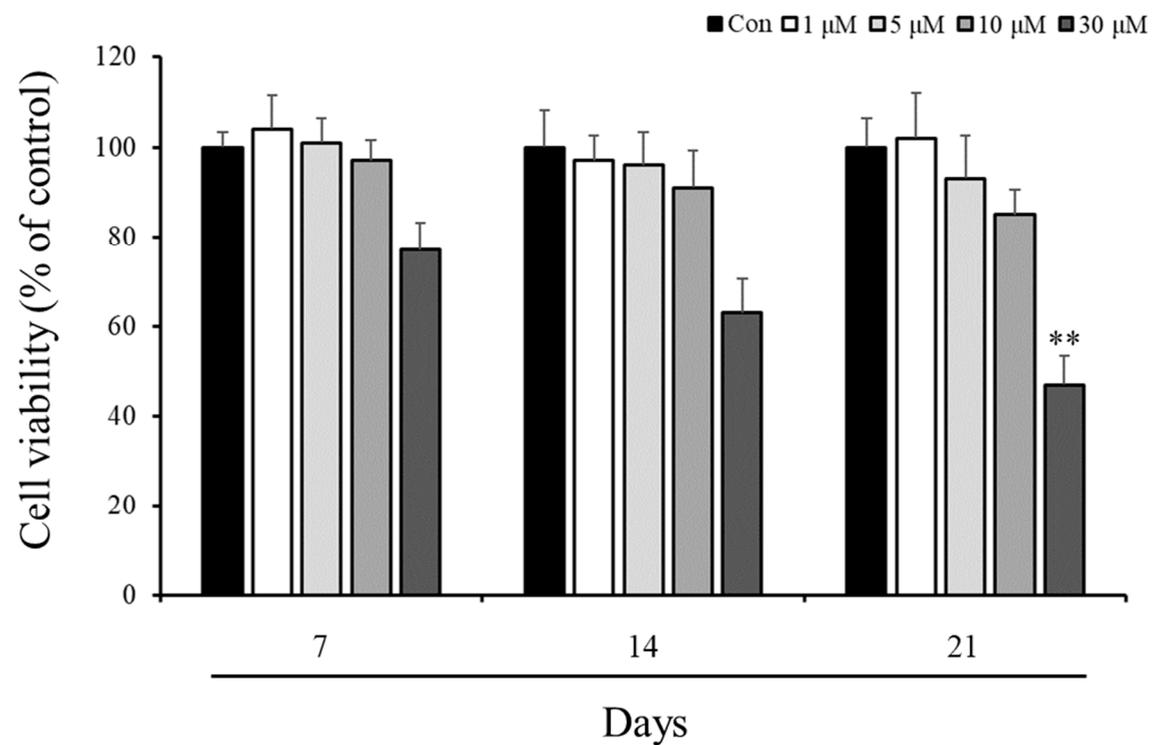


Figure S2. HPLC chromatogram of eudebeiolide B (upper panel) and *Salvia plebeia* EtOH extract (lower panel).



**Figure S3.** Cytotoxicity of eudebeiolide B on MC3T3-E1 cells. MC3T3-E1 cells were seeded in 96 well plate and treated with indicated concentration of eudebeiolide B. After incubation mtt assay was performed to obtain cell viability. Values are expressed as the means  $\pm$  S.D of three individual experiments. \* $p < 0.05$  and \*\* $p < 0.01$  versus control group obtained through one way ANOVA followed Dunnett's test.

**Table S1.** Total content of compounds in ethanol extract of *Salvia plebeia* R. Br. (2.6 kg).

<b>Compound Name</b>	<b>Total Content (mg)</b>
Eudebeiolide A	1.9
Eudebeiolide B	24.5
Eudebeiolide C	8.4
Eudebeiolide D	12.3
Eudebeiolide E	11.4
Eudebeiolide F	2.2
Eudebeiolide G	10.9