

Supplemental Table S1. *Real-Time primer sequences*

Gene	Forward	Reverse
RANKL	5'-AGAGCGCAGATGGATCCTAA-3'	5'-TTCCTTTTGCACAGCTCCTT-3'
Osteoprotegerin	5'-TGCAGTACGTCAAGCAGGAG-3'	5'-GTGTCTTGGTCGCCATTTTT-3'
RUNX2	5'-TTACTTACACCCCGCCAGTC-3'	5'-TATGGAGTGCTGCTGGTCTG-3'
Osteocalcin	5'-GACTGTGACGAGTTGGCTGA-3'	5'-CTGGAGAGGAGCAGAACTGG-3'
β -Actin	5'-GACTGTGACGAGTTGGCTGA-3'	5'-CTGGAGAGGAGCAGAACTGG-3'

Abbreviation. RANKL = receptor activator of nuclear factor kappa-B ligand; **RUNX2=Runt-related transcription factor 2**

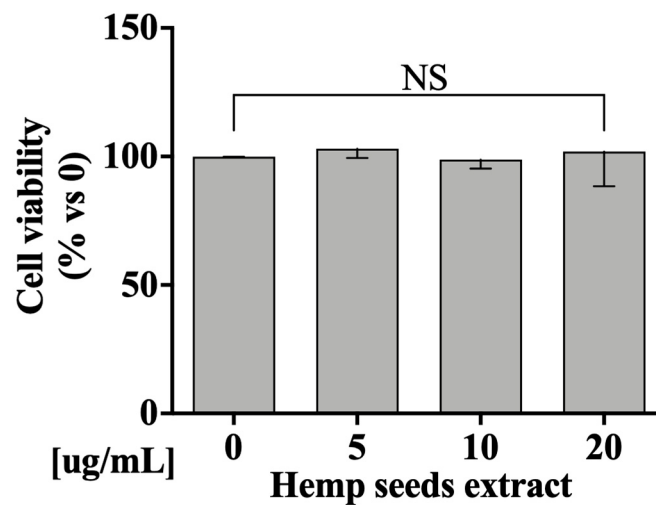


Figure S1. HSE does not increase cell viability of Saos-2 cells. Semi-confluent cultures of human osteoblast-like cells (Saos-2) incubated with HSE 5, 10, 20 µg/mL for 24 h. Cell viability determined by MTT assay. Data are represented as mean $\pm$ SD.

Abbreviations: MTT assay, 3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide assay.