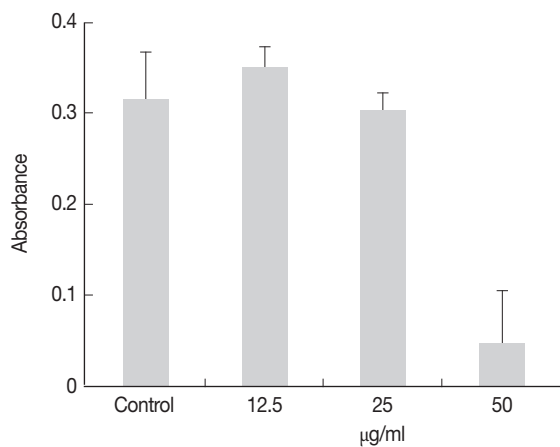


**Supplementary Fig. S1.** Mass spectroscopy analysis of the synthesized REDLK peptide.



**Supplementary Fig. S2.** Assessment of REDLK-mediated *Leishmania tarentolae* using MTT. *Leishmania tarentolae* promastigotes were incubated with different concentrations of REDLK at 26°C for 72 hr. The promastigotes were determined using MTT and absorbance was read at 570 nm. Each bar represents the mean of 4 replicates; Error bar represents standard error of the mean.