**Supplementary figure 1.** Effects of KSE on induction of apoptosis in LNCaP cells. Cells were treated with KSE for 24 h. (A) Nuclear condensation in response to KSE as detected by fluorescent microscopy using bis-benzimide (Hoechst 33258) (×200). (B) DNA fragmentation was observed by 2% agarose gel electrophoresis. (C) Apoptotic cell death was analyzed by Annexin V staining assay. (D) Expression of mitochondrial apoptosis-related proteins in LNCaP cells. Cells were treated with KSE for 24 h. Total cell lysates were subjected to western blotting to detect expression levels of proteins. Data values were expressed as mean±SD of triplicate determinations. Significant of difference were compared with the control at *P < 0.05, **P < 0.01 and ***P < 0.001 by one-way ANOVA and Tukey’s multiple comparison.