Electronic Supplementary Material (ESI) for Food & Function.

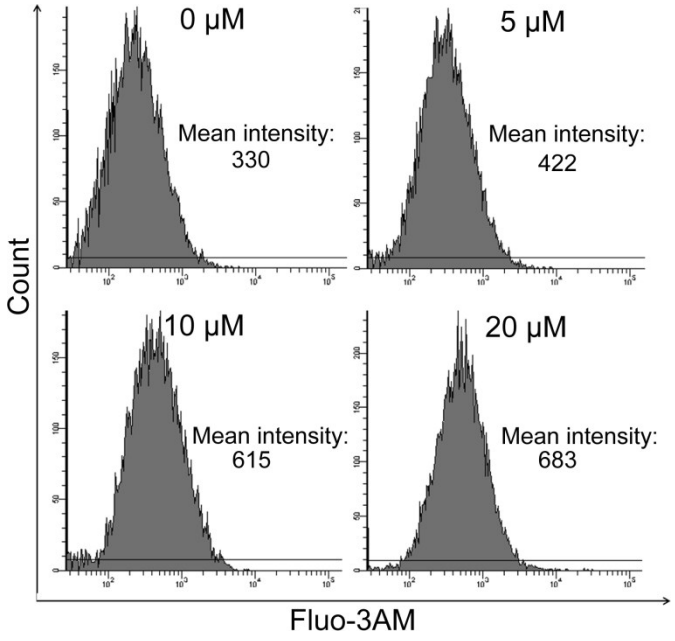

Fig. s1. HCT116 cells were treated with brosimone I at various concentrations for 24 h. Then the cytosolic Ca^{2+} was analyzed by Fluo-3AM staining using flow cytometry.

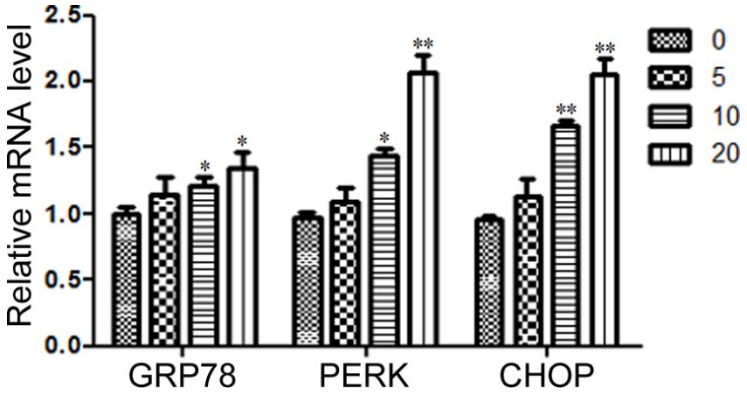

Fig. s2. HCT116 cells were treated with brosimone I at various concentrations for 24 h. The mRNA level of GRP78, PERK, CHOP, and GADPH was measured by qPCR analyses. Values are mean ± standard deviation, n=3, **P*<0.05, ***P*<0.01.

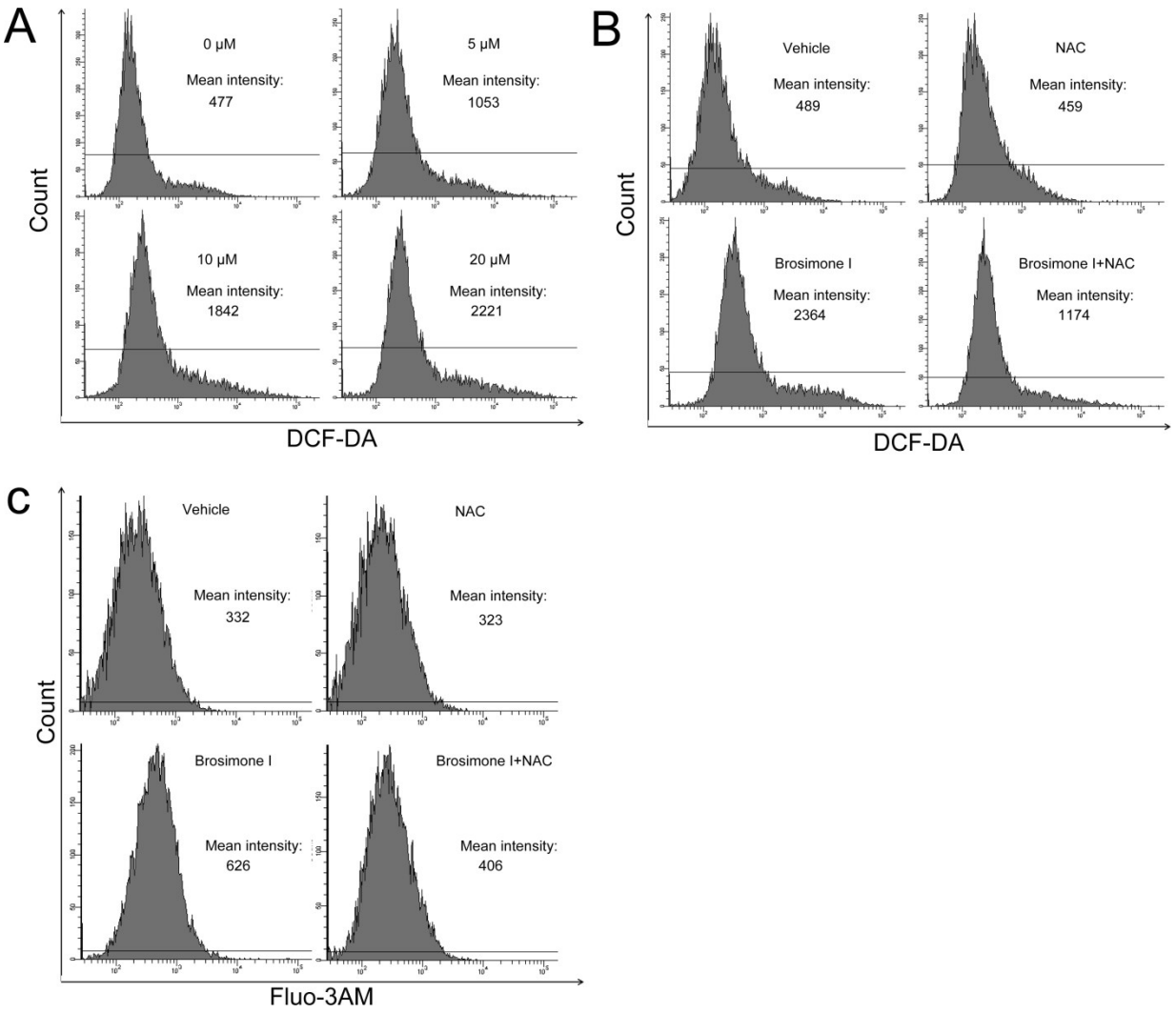

Fig. s3. (A) HCT116 cells were treated with brosimone I at various concentrations for 6 h, ROS levels were measured as DCF fluorescence intensity using flow cytometer. (B) HCT116 cells were preincubated with 10 mM of NAC for 1 h and then treated with brosimone I (15 μM) for 6 h. ROS levels were determined by flow cytometry. (C) the cytosolic Ca^{2+} was analyzed using flow cytometry.