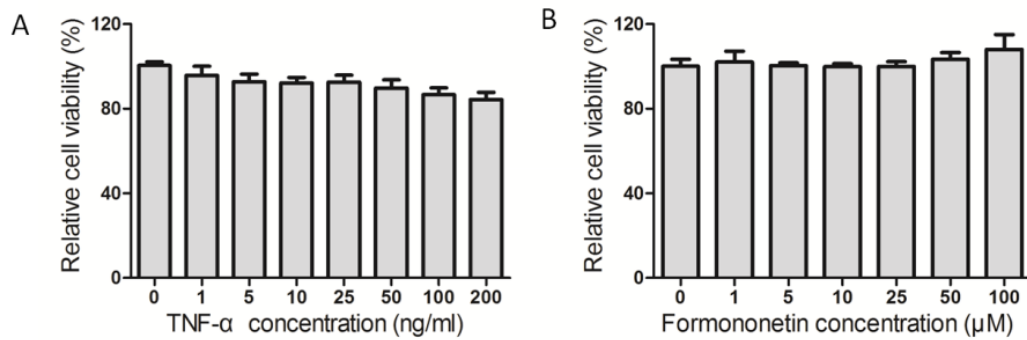
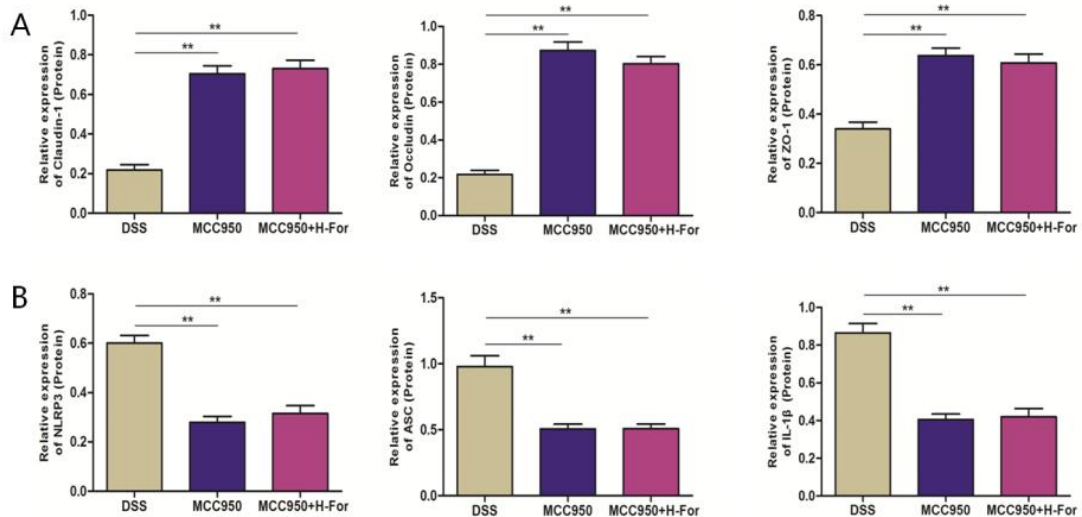


Supplementary Figure S1. Chemical structure of formononetin.



Supplementary Figure S2. Cell viability was measured by MTS assay in different concentration of TNF- α (A) and Formononetin (B) on HCT-166 cells. Data are shown as relative cell viability (mean % \pm S.E. bar) as compared with that in control (n = 5).



Supplementary Figure S3. NLRP3 inhibitor MCC950 eliminated the protective effect of H-For on acute colitis in mice. Protein levels of (A) Claudin-1, Occludin and ZO-1 and (B) NLRP3, ASC, and IL-1 β were analyzed by western blotting. *p<0.05, **p<0.01.