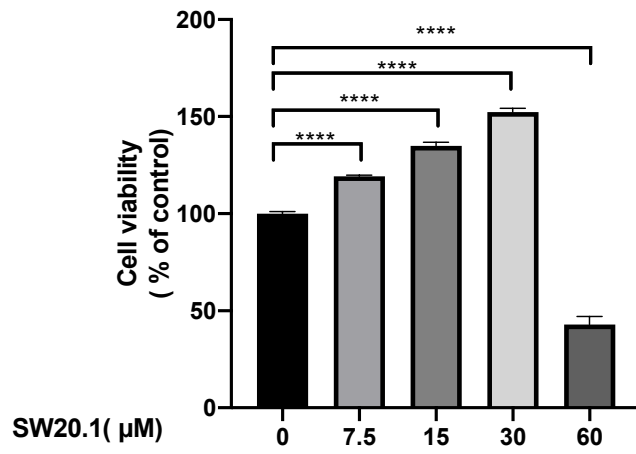
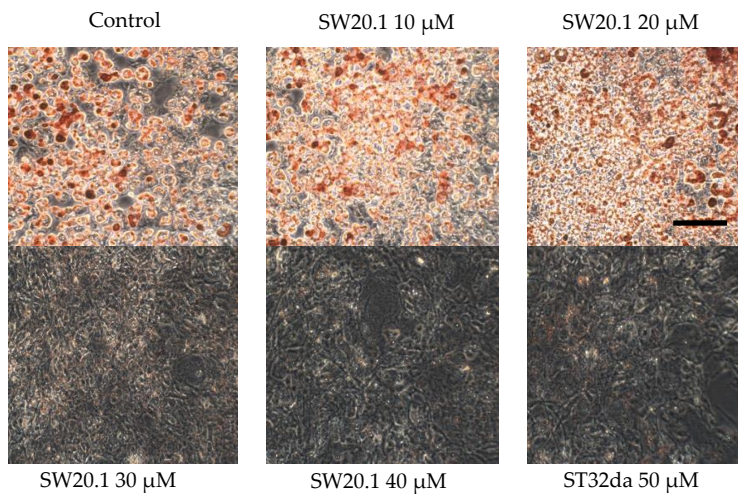


Figure S1: The chemical structure of ATF3- inducer compounds

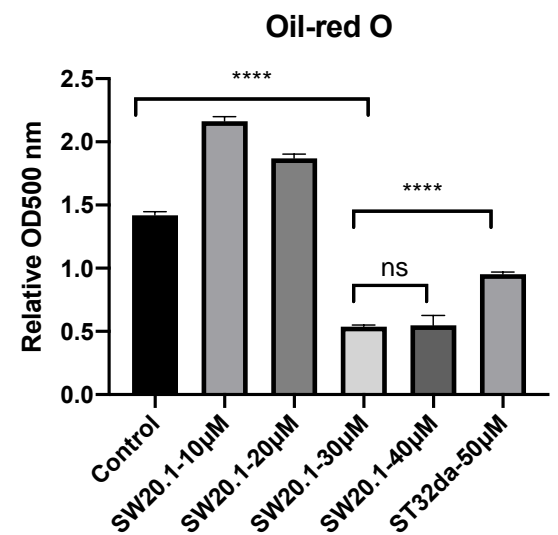


(a)



Scale bar = 200x

(b)



(c)

Figure S2. Effects of SW20.1 on cell viability in 3T3-L1 cell line and inhibited lipid accumulation of 3T3-L1 preadipocyte. (a) Cell viability was measured after treatment with various concentrations of SW20.1 (b) Oil red O staining of differentiated 3T3-L1 adipocytes treated with Vehicle, SW20.1, and ST32da for 8 days. (c) Relative qualification of the lipid content. Statistical comparisons were performed using unpaired t-test (a, c). Data are presented as mean \pm standard error; **** $p < 0.0001$.

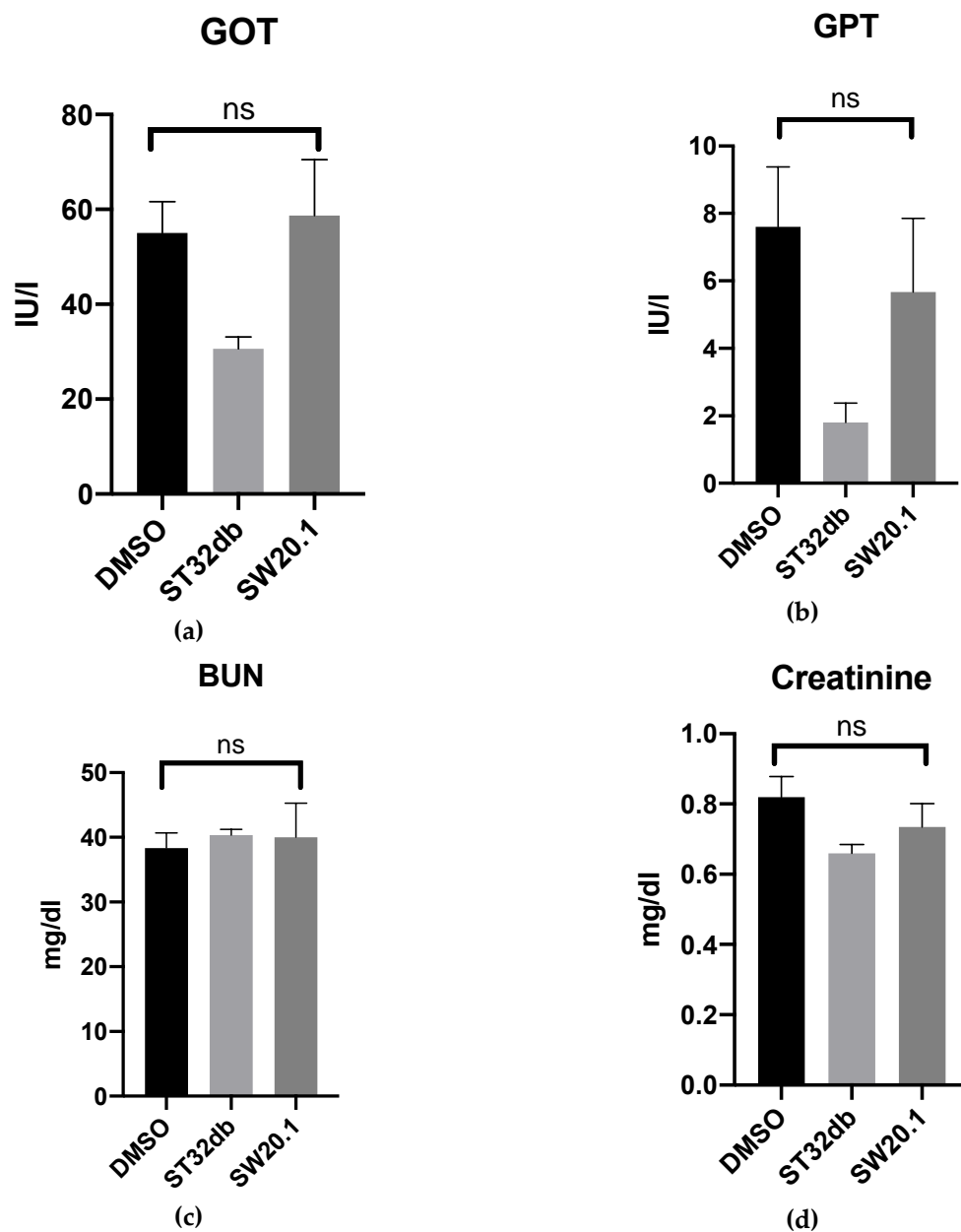


Figure S3: Biochemical parameters. (a) aspartate aminotransferase (GOT), (b) alanine aminotransferase (GPT), (c) Creatinin, (d) Blood Urea Nitrogen (BUN). Statistical comparisons were performed using unpaired t-test (a,b,c,d). Data are presented as mean \pm standard error, ns non-significant.