Key messages

1. Deacetylation of C/EBPβ in A549 cells successfully ameliorated TGF-β1-induced EMT, as shown by reduction in α-SMA expression and excessive collagen-I accumulation.
2. The EMT and fibrotic effect of TGF-β1 dependent on acetylated C/EBPβ-mediated regulation of α-SMA gene activity. C/EBPβ acetylation may play a central role in pulmonary fibrosis.