

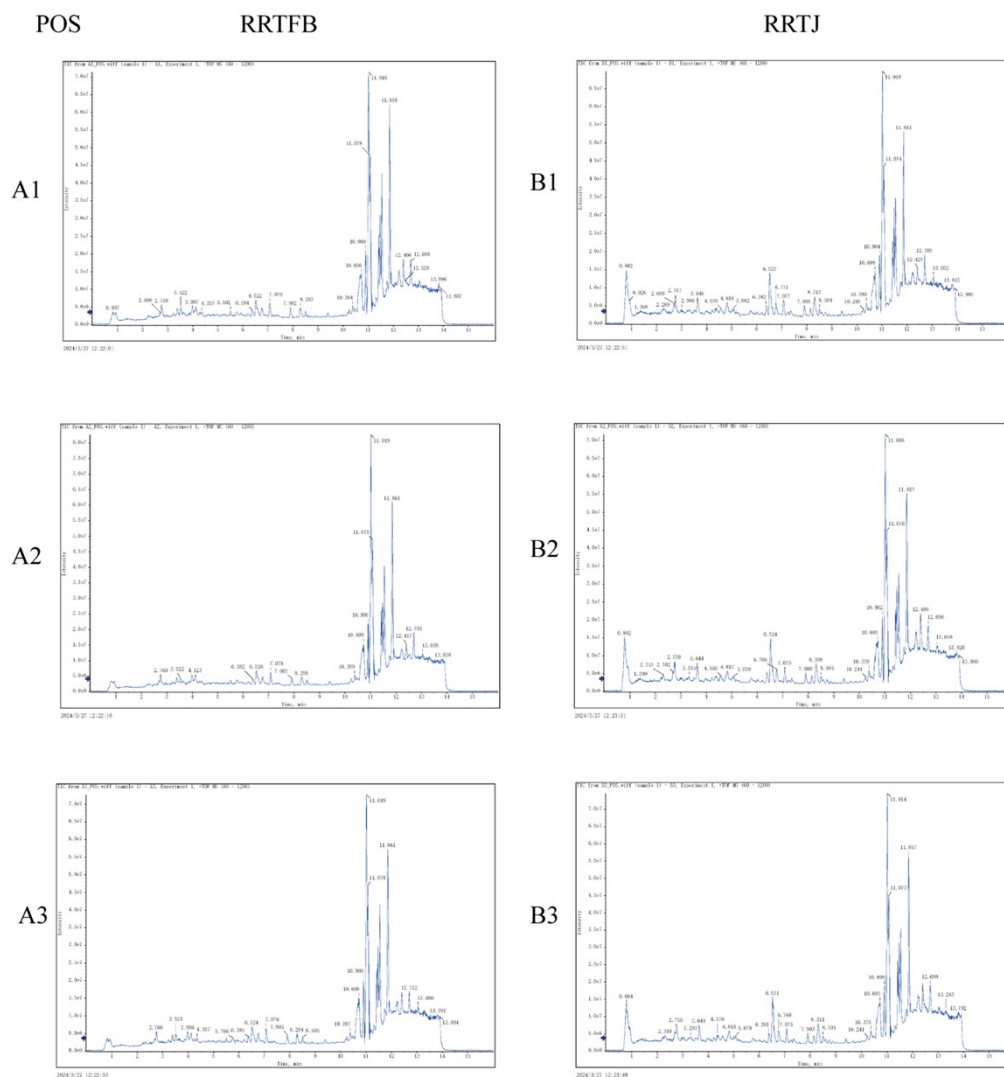
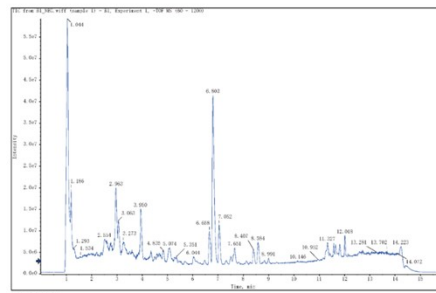


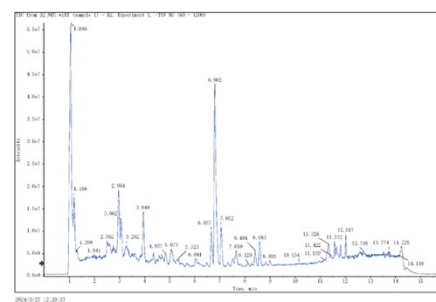
Figure S1.TIC of positive ion mode QC sample

RRTJ

B1



B2



B3

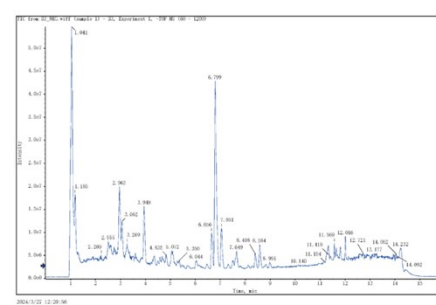


Figure S2. TIC of negative ion mode QC sample

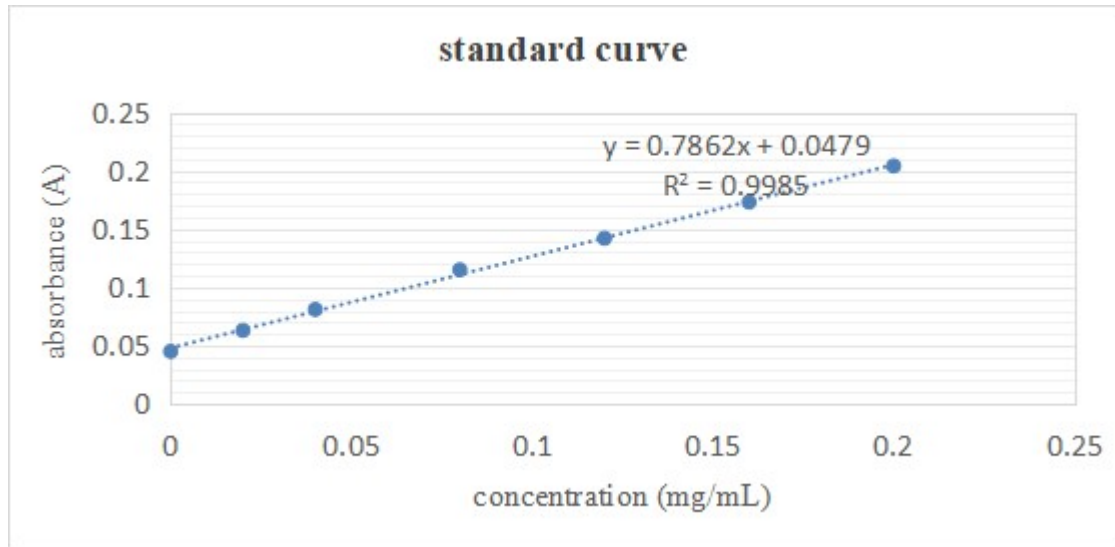


Figure S3. Standard curve of rutin

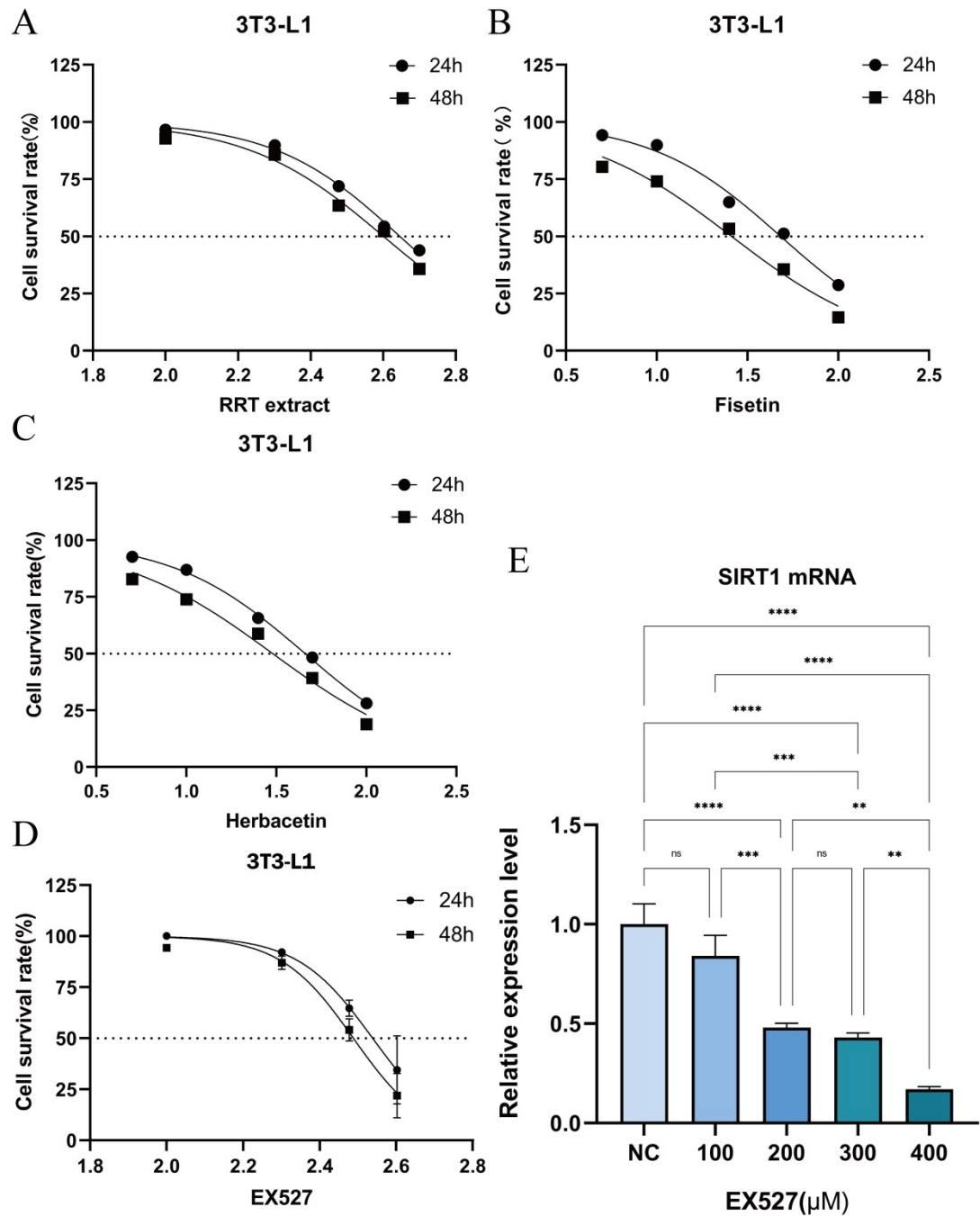


Figure S4. CCK8 and RT-PCR detection results in 3T3-L1 cells

(A) CCK8 assay results of *Rosa roxburghii* Tratt. flavonoid extract-treated 3T3-L1 cells. (B) CCK8 assay results of fisetin-treated 3T3-L1 cells. (C) CCK8 assay results of herbacetin-treated 3T3-L1 cells. (D) CCK8 assay results of SIRT1 inhibitor-treated 3T3-L1 cells. The abscissa shows log-transformed concentrations, and the ordinate shows cell viability (%). (E) SIRT1 mRNA detection results in SIRT1 inhibitor-treated 3T3-L1 cells.

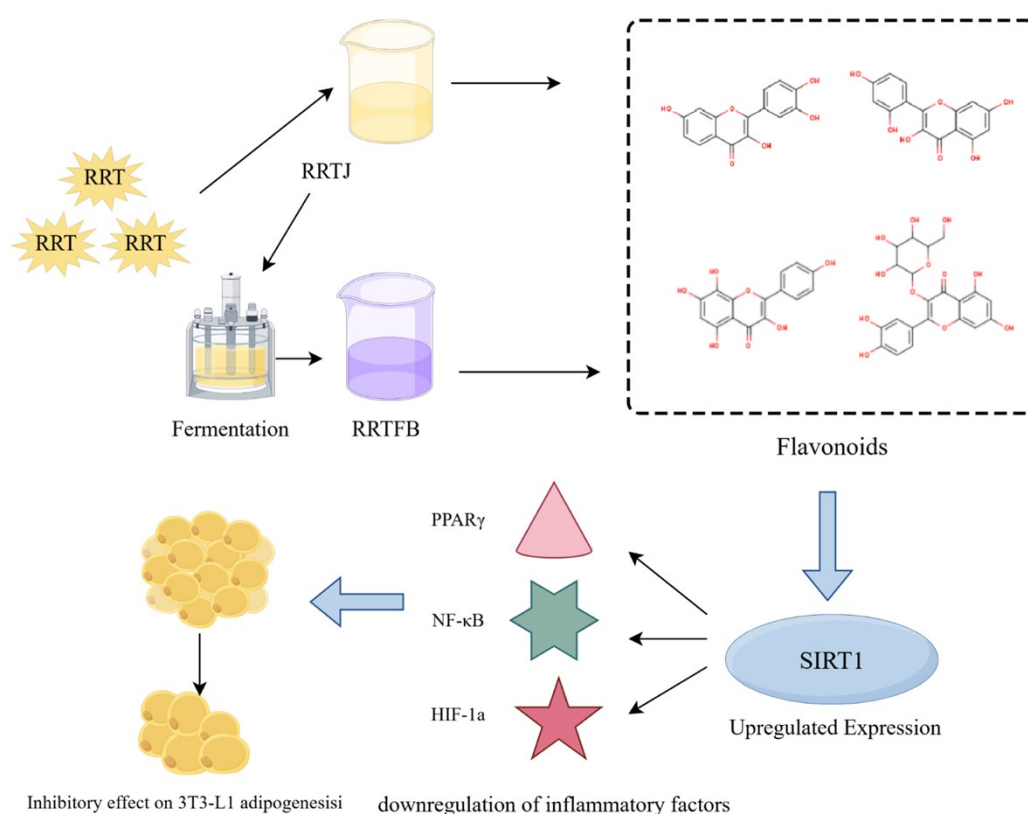


Figure S5. Basic mechanism diagram

Supplementary Table 1 Primer sequences used for the study

Gene name	Direction	Sequences (5' to 3')
SIRT1	Forward	ATCTCCCAGATCCTCAAGCCA
	Reverse	CTTCCACTGCACAGGCACAT
PPAR γ	Forward	GGGTGAAACTCTGGGAGATTCTCC
	Reverse	CAGCAACCATTGGGTCAGCTCT
NF κ B	Forward	ATTAGCCAGCGCATCCAGAC
	Reverse	ATCTTGAGCTCGGCAGTGTT
HIF1a	Forward	CACTGGACTTCGGCAGCGATGACA
	Reverse	GTGGCTTTGGAGTTTCAGAGGCAGGT
β -actin	Forward	GTGCTATGTTGCTCTAGACTTCG
	Reverse	ATGCCACAGGATTCCATACC