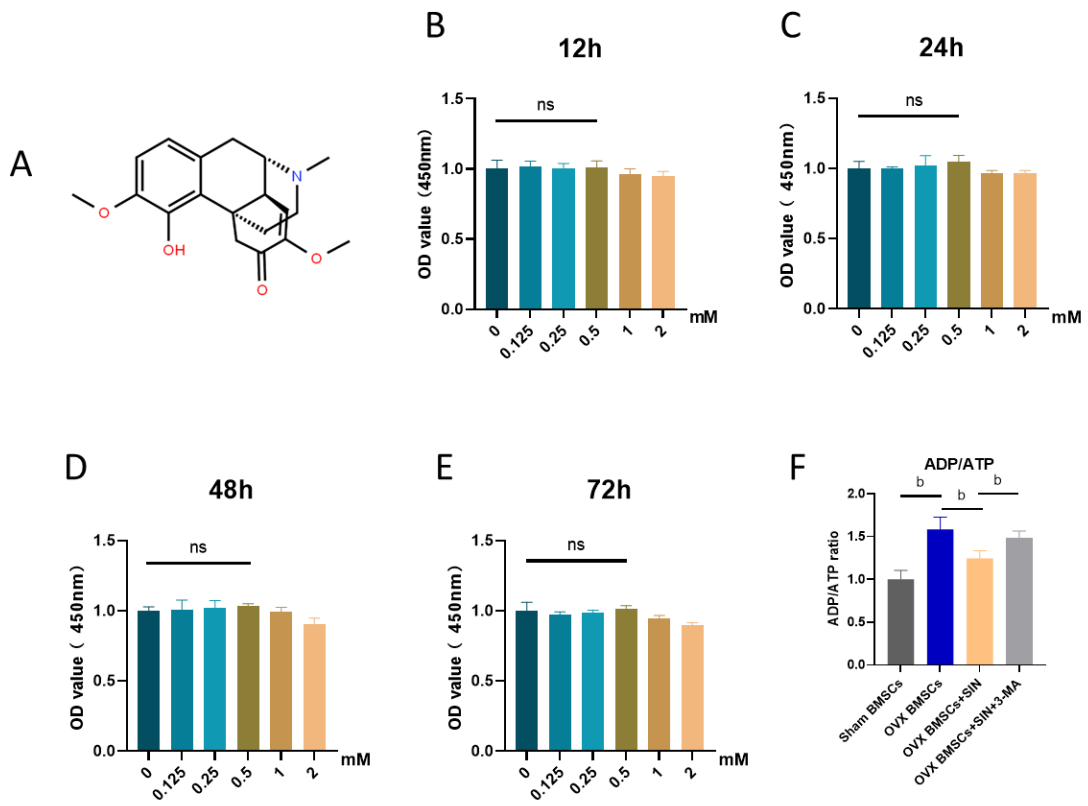


Supplementary materials

Supplementary Figure 1



Supplementary Table 1 Antibodies

Name	Source	Identifier	Concentration
BECN1	Abcam	ab207612	1:1000
LC3B	Abcam	ab192890	WB: 1:1000 IF: 1:200
RUNX2	Abclonal	A11753	1:500
COL1A1	Abcam	ab270946	1:1000
SQSTM	Abcam	ab207305	1:1000
AKT	Abcam	ab8805	1:1000
p-AKT	Abcam	ab38449	1:1000
mTOR	Abclonal	AC001	1:1000
p-mTOR	Abcam	ab109268	1:1000
PI3K	Abclonal	A0265	1:1000
GAPDH	Abclonal	AC001	1:1000
secondary antibodies	Beyotime	A0208	1:5000

Supplementary Table 2 Sequence of primers

Name	Sequence
GAPDH	sense: 5-ACCACAGTCCATGCCATCAC-3 antisense: 5-TCCACCACCCTGTTGCTGTA-3
ALP	sense: 5-GGACAGGACACACACACA-3 antisense: 5-CAAACAGGAGAGCCACTTCA-3
COL1A1	sense: 5-GCTCCTCTTAGGGGCCACT-3 antisense: 5-CCACGTCTCACCATTGGGG-3
RUNX2	sense: 5-GACTGTGGTTACCGTCATGGC-3 antisense: 5-ACTTGGTTTTTCATAACAGCGGA-3;
BECN1	sense: 5-CTCTCGT CAAGGCGTCACTTC-3 antisense: 5-CCTTAGACCCCTCCATTCCTCA-3
SQSTM	sense: 5-CTCTCATAGCCGCTGGCTTC-3 antisense: 5-CCTCAATGCCTAGAGGGCTG-3
LC3B	sense: 5-CCTGTCCTGGATAAGACCAAGTT-3 antisense: 5-CTCCTGTTCATAGATGTCAGCGAT-3