

Fig. S1 The molecular architecture of Salican.

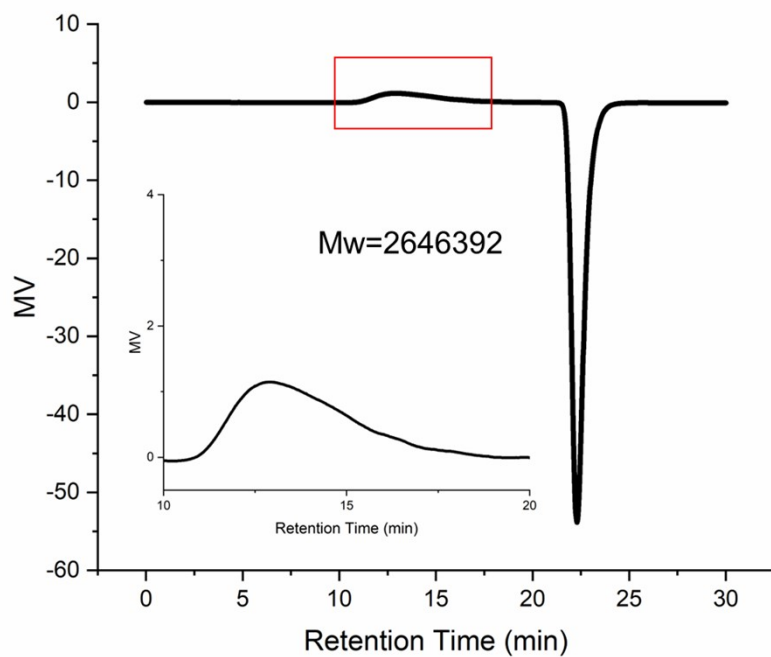


Fig. S2 The molecular weight of Salecan was analyzed by using high-performance gel filtration chromatography.

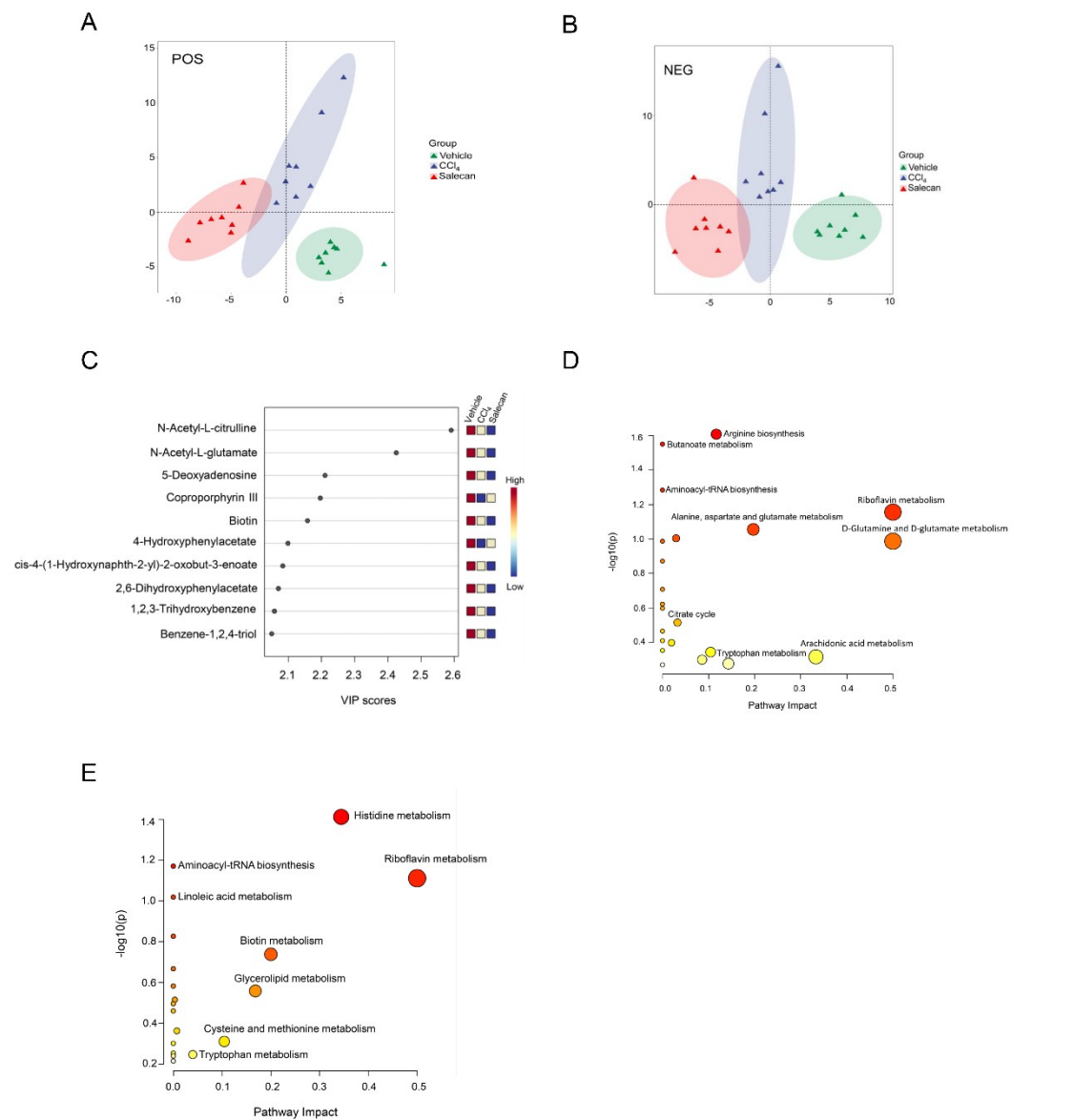


Fig. S3 Effect of Salecan on intestinal metabolic profiles in liver injury mice. (A-B) OPLS-DA score plot for the Vehicle, CCl₄, and Salecan groups in the positive (A) and negative (B) model (n=8). (C) VIP values (n=8). (D-E) the metabolic pathway impact prediction based on the KEGG online database (D) between the Vehicle and CCl₄ groups, (E) between the CCl₄ and Salecan groups (n=8).

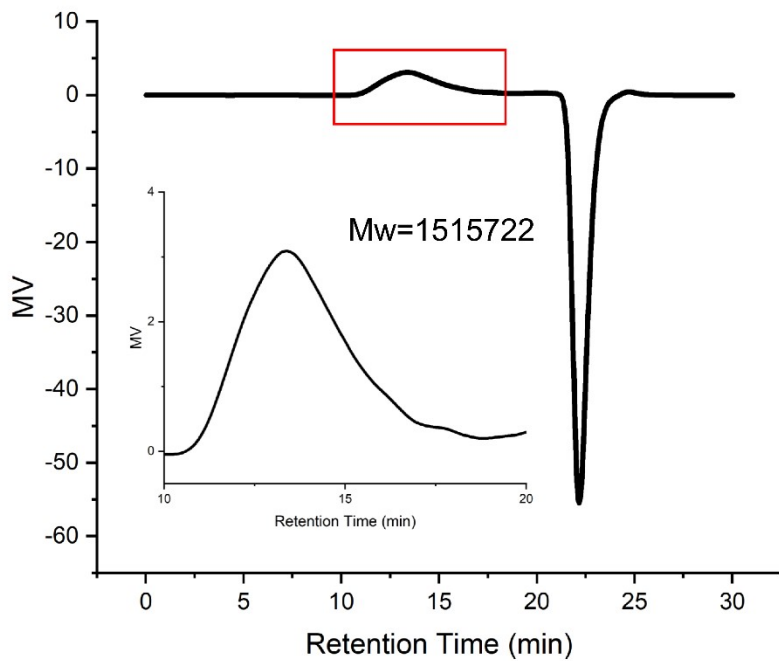


Fig. S4 The molecular weight of Salecan metabolites was analyzed by using high-performance gel filtration chromatography.

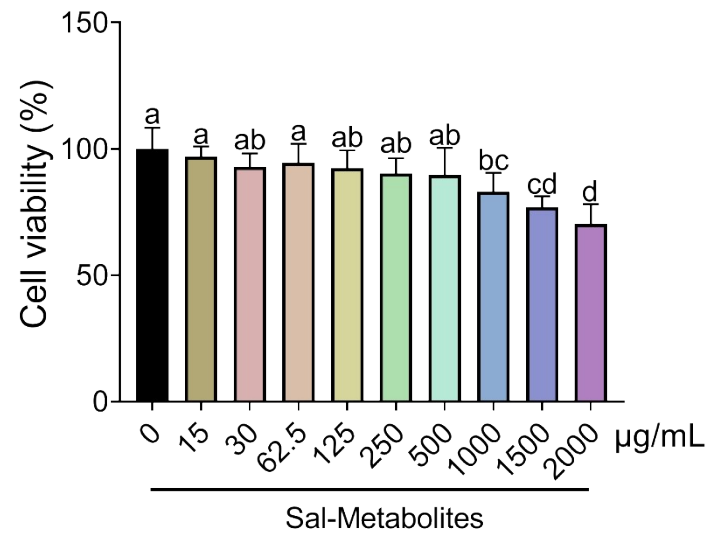


Fig. S5 Effect of Sal-Metabolites on the cell viability in THLE-2 cells.

Table S1. Primers used for the qPCR analysis of genes from mice

Genes	Forward primer (5'-3')	Reverse primer (5'-3')
<i>Nqo1</i>	GGTAGCGGCTCCATGTACTC	CGCAGGATGCCACTCTGAAT
<i>Trx1</i>	AAGCTTGTCGTGGTGGACTT	AACTCCCCCACCTTTTGACC
<i>Hmox1</i>	GCCGAGAATGCTGAGTTCATG	TGGTACAAGGAAGCCATCACC
<i>Gclc</i>	GGGAACGGACGGGACG	CAACATGTACTCCACCTCGT
<i>36B4</i>	GCCCTGCACTCTCGCTTTCT	CAACTGGGCACCGAGGCAACAGTTG
<i>Gsr</i>	CCACGGCTATGCAACATTCG	AATCAGGATGTGTGGAGCGG
<i>Prdx5</i>	TCGTCCGGCTGAAAAGGTTCT	ATCTGGCTCCACGTTTCAGTG
<i>Gsta</i>	CCAGGACTCTCACTAGACCGT	CAATCTCCACCATGGGCACT

Table S2. Primers used for the qPCR analysis of genes from human

Genes	Forward primer (5'-3')	Reverse primer (5'-3')
<i>Trx1</i>	GTGAAGCAGATCGAGAGCAAG	CGTGGCTGAGAAGTCAACTACTA
<i>36B4</i>	CAGCAAGTGGGAAGGTGTAATCC	CCCATTCTATCATCAACGGGTACAA
<i>Gclc</i>	CACTTGCGTGAATGTTGGATG	TGGGATCACTCGTGAAGGCT
<i>Prdx5</i>	GCAAGACGGTGCAGTGAAG	ATGGCATCTCCCACCTTGATT
