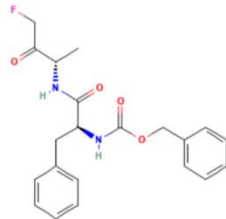
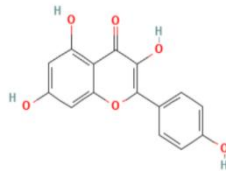
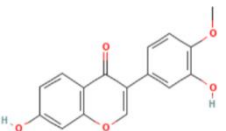
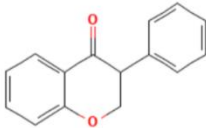
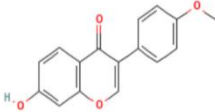
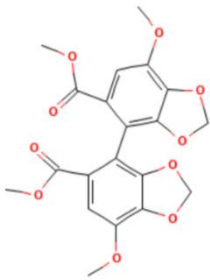
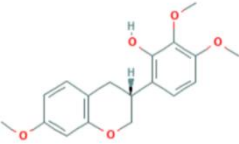
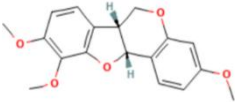
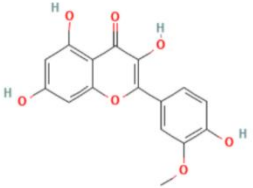
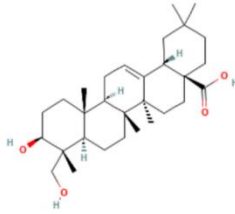
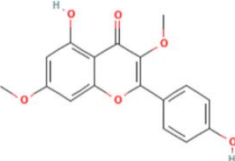


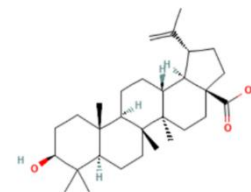
Supplementary table 1: The main ingredient of the ASHP.

ID	Mol ID	Molecule name	Pubchem ID	Chemical structures	OB%	DL	Herb name
HQ1	MOL000442	1,7-Dihydroxy-3,9-dimethoxy pterocarpene	50183701	NA	39.05	0.48	Astragalus
HQ2	MOL000439	isomucronulatol-7,2'-di-O-glucosiole	NA	NA	49.28	0.62	Astragalus
HQ3	MOL000438	(3R)-3-(2-hydroxy-3,4-dimethoxyphenyl)chroman-7-ol	NA	NA	67.67	0.26	Astragalus
HQ4	MOL000433	FA	5311161		68.96	0.71	Astragalus
HQ5	MOL000422	kaempferol	5280863		41.88	0.24	Astragalus
HQ6	MOL000417	Calycosin	5280448		47.75	0.24	Astragalus

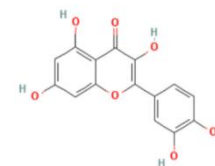
HQ7	MOL000398	isoflavanone	160767		109.99	0.3	Astragalus
HQ8	MOL000392	formononetin	5280378		69.67	0.21	Astragalus
HQ9	MOL000387	Bifendate	108213		31.1	0.67	Astragalus
HQ10	MOL000380	(6aR,11aR)-9,10-dimethoxy-6a,11a-dihydro-6H-benzofurano[3,2-c]chromen-3-ol	NA	NA	64.26	0.42	Astragalus
HQ11	MOL000379	9,10-dimethoxypterocarpan-3-O-β-D-glucoside	NA	NA	36.74	0.92	Astragalus
HQ12	MOL000378	7-O-methylisomucronulatol	15689652		74.69	0.3	Astragalus

HQ13	MOL000374	5'-hydroxyiso-muronulatol-2',5'-di-O-glucoside	NA	NA	41.72	0.69	Astragalus
HQ14	MOL000371	3,9-di-O-methylnissolin	15689655		53.74	0.48	Astragalus
HQ15	MOL000354	isorhamnetin	5281654		49.6	0.31	Astragalus
HQ16	MOL000296	hederagenin	73299		36.91	0.75	Astragalus
HQ17	MOL000239	Jaranol	5318869		50.83	0.29	Astragalus

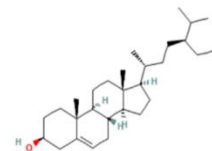
HQ18	MOL000211	Mairin	64971		55.38	0.78	Astragalus
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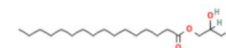
HQ19	MOL000098	quercetin	5280343		46.43	0.28	Astragalus
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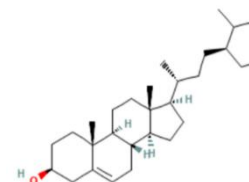
HQ20	MOL000033	(3S,8S,9S,10R,13R,14S,17R)-10,13-dimethyl-17-[(2R,5S)-5-propan-2-yl-octan-2-yl]-2,3,4,7,8,9,11,12,14,15,16,17-dodecahydro-1H-cyclopenta[a]phenanthren-3-ol	15976101		36.23	0.78	Astragalus
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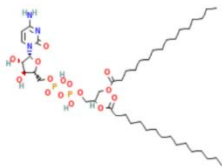
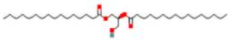
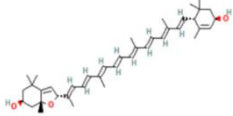
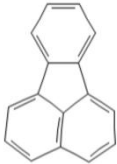
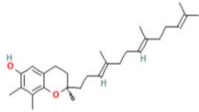


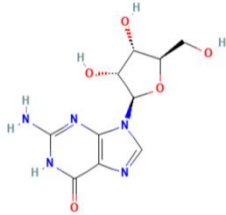
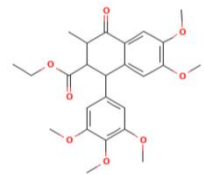
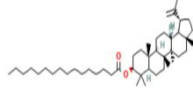
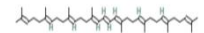
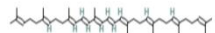
HH1	MOL001281	L-alpha-Palmitin	14900		26.66	0.22	Safflower
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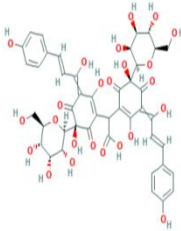
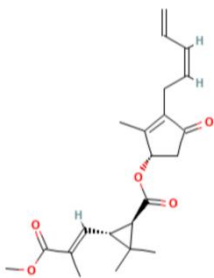
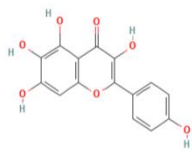
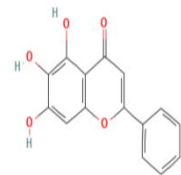


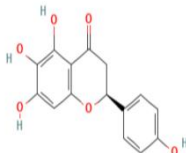
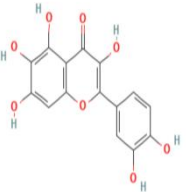
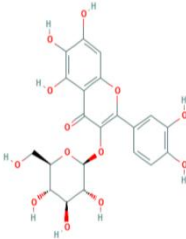
HH2	MOL001771	poriferast-5-en-3beta-ol	457801		36.91	0.75	Safflower
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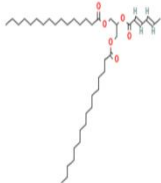


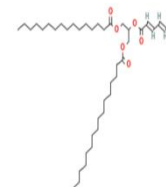
HH3	MOL001838	Dipalmitin	124989		21.16	0.44	Safflower
HH4	MOL002677	L-1,2-Dipalmitin	644078		21.28	0.49	Safflower
HH5	MOL002680	Flavoxanthin	5281238		60.41	0.56	Safflower
HH6	MOL002681	fluoranthene	9154		24.7	0.18	Safflower
HH7	MOL002684	gamma-Tocotrienol	5282349		20.3	0.53	Safflower

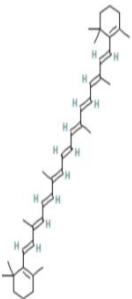
HH8	MOL002687	guanosine	135398635		21.43	0.21	Safflower
HH9	MOL002694	4-[(E)-4-(3,5-dimethoxy-4-oxo-1-cyclohexa-2,5-dienylidene)but-2-enylidene]-2,6-dimethoxycyclohexa-2,5-dien-1-one	NA	NA	48.47	0.36	Safflower
HH10	MOL002695	lignan	261166		43.32	0.65	Safflower
HH11	MOL002698	lupeol-palmitate	161739		33.98	0.32	Safflower
HH12	MOL002706	Phytoene	5280784		39.56	0.5	Safflower
HH13	MOL002707	phytofluene	6436722		43.18	0.5	Safflower

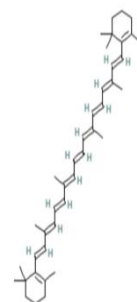
HH14	MOL002708	precarthamin	154497271		22	0.67	Safflower
HH15	MOL002710	Pyrethrin II	5281555		48.36	0.35	Safflower
HH16	MOL002712	6-Hydroxykaempferol	5281638		62.13	0.27	Safflower
HH17	MOL002714	baicalein	5281605		33.52	0.21	Safflower

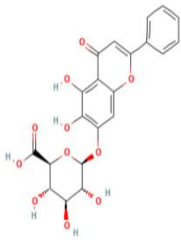
HH18	MOL002717	qt_carthamone	NA	NA	51.03	0.2	Safflower
HH19	MOL002719	6-Hydroxynaringenin	188308		33.23	0.24	Safflower
HH20	MOL002721	quercetagetin	5281680		45.01	0.31	Safflower
HH21	MOL002735	safflow-yellow-A	NA	NA	27.16	0.7	Safflower
HH22	MOL002739	tagetiin	11968966		28.34	0.78	Safflower
HH23	MOL002757	7,8-dimethyl-1H-pyrimido[5,6-g]quinoxaline-2,4-dione	NA	NA	45.75	0.19	Safflower

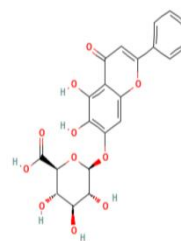
HH24	MOL002759	Glyceryl pps	6438900		29.61	0.35	Safflower
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HH25	MOL002773	beta-carotene	5280489		37.18	0.58	Safflower
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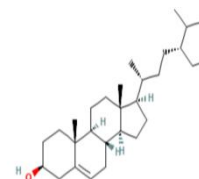
HH26	MOL002776	Baicalin	64982		40.12	0.75	Safflower
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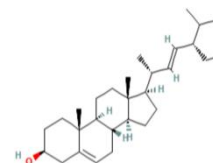
HH27	MOL000357	Sitogluside	5742590	20.63	0.62	Safflower
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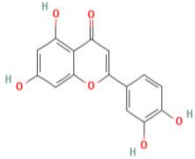


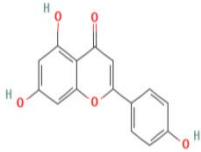
HH28	MOL000359	beta-sitosterol	222284	36.91	0.75	Safflower
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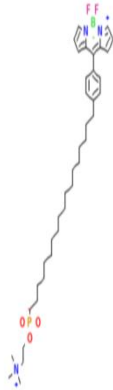


HH29	MOL000449	Stigmasterol	5280794	43.83	0.76	Safflower
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HH30	MOL000006	luteolin	5280445		36.16	0.25	Safflower
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HH31	MOL000008	apigenin	5280443		23.06	0.21	Safflower
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HH32	MOL000953	CLR	131698629		37.87	0.68	Safflower
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Supplementary table 2: The overlapping genes of Astragalus-Safflower and CHD related targets

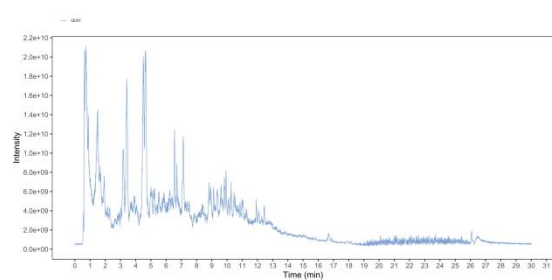
Ninety overlapping genes
<i>NOS2, PTGS1, AR, PPARG, PTGS2, DPP4, ACHE, F7, CALM2, RELA, AKT1, BCL2, BAX, CD40LG, MAPK8, MMP1, HMOX1, CYP3A4, CYP1A2, CYP1A1, ICAM1, SELE, VCAM1, NR1I2, CYP1B1, ALOX5, HAS2, GSTP1, AHR, INSR, GSTM1, GSTM2, ESR1, RXRA, ADRB2, IL4, MET, ADRB1, SCN5A, PPARD, ADH1C, MMP3, EGFR, VEGFA, FOS, PLA2, MMP2, MMP9, IL10, EGF, IL6, TP53, NFKBIA, POR, SOD1, HIF1A, HSPA5, ACACA, CAV1, F3, IL1B, CCL2, CXCL8, DUOX2, NOS3, HSPB1, TGFB1, SULT1E1, MGAM, IL2, PLAT, THBD, SERPINE1, COL1A1, IFNG, IL1A, MPO, ABCG2, NFE2L2, NQO1, PARP1, COL3A1, PPARA, CRP, CXCL10, SPP1, CTSD, IGFBP3, IGF2, PON1</i>

Supplementary figure 1. Total ion flow chromatogram of Astragalus-Safflower drug-containing serum acquired by UHPLC-QE-MS.

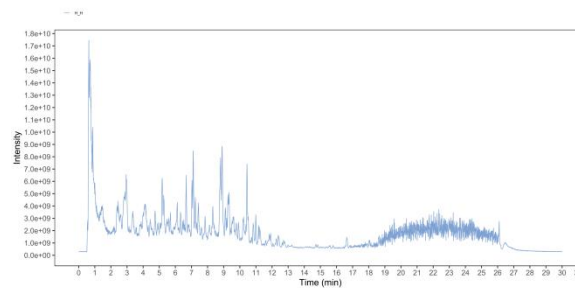
(A) Positive mode of quality standard control products. (B) Positive mode of Astragalus-Safflower drug-containing serum.

(C) Positive mode of Astragalus-Safflower granules. (D) Positive mode of control serum.

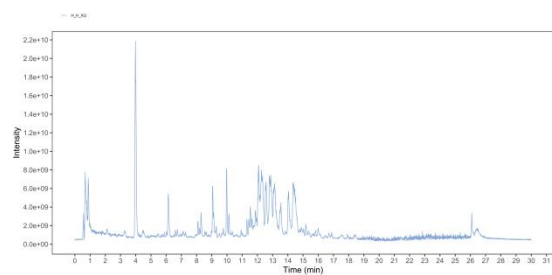
A



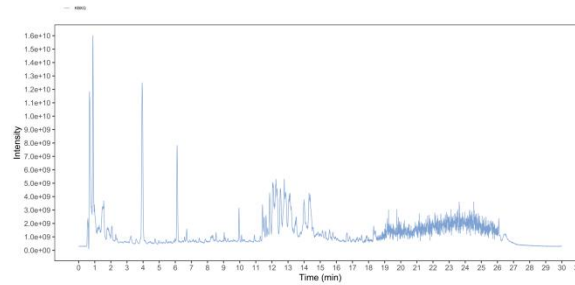
C



B

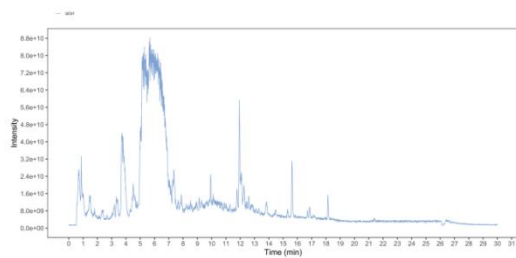


D

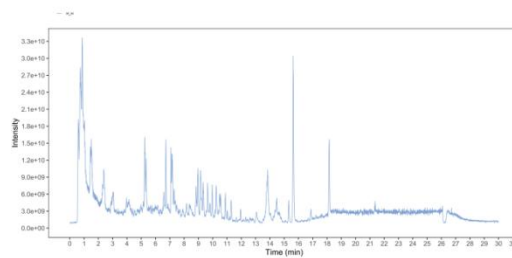


Supplementary figure 2. Total ion flow chromatogram of Astragalus-Safflower drug-containing serum acquired by UHPLC-QE-MS.(①represents Calycosin, ②represents Isorhamnetin) (A) Negative mode of quality standard control products. (B) Negative mode of Astragalus-Safflower drug-containing serum. (C) Negative mode of Astragalus-Safflower granules. (D) Negative mode of control serum.

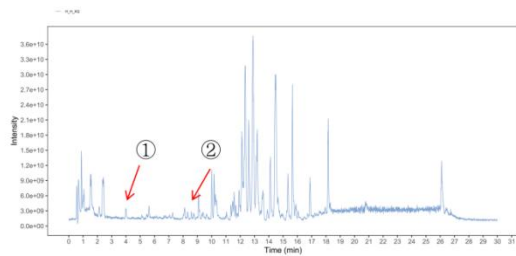
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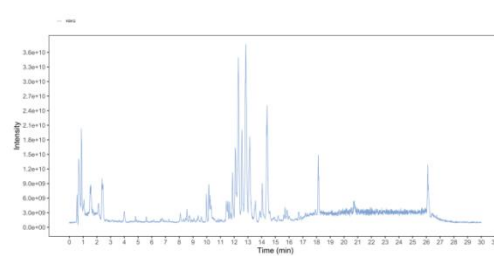
C



B



D



Supplementary table 3: Results of pharmacochemical analysis of Astragalus-Safflower drug-containing serum by UHPLC-QE-MS

Number	1	2
Name	Calycosin	Isorhamnetin
CompositeScore	0.999842538461538	0.739325461538462
InChIKey	ZZAJQOPSWWVMBI-UHFFFAOYSA-N	IZQSVPBOUDKVDZ-UHFFFAOYSA-N
SMILES	<chem>COC1=C(C=C(C=C1)C2=COC3=C(C2=O)C=CC(=C3)O)O</chem>	<chem>COC1=C(C=CC(=C1)C2=C(C(=O)C3=C(C=C(C=C3O2)O)O)O)O</chem>
Formula	C ₁₆ H ₁₂ O ₅	C ₁₆ H ₁₂ O ₇
name	M283.062T350.496	M315.051T490.391
Class	Flavonoids	Flavonoids
mzmed	283.0615913	315.0510232
rtmed	350.496	490.391