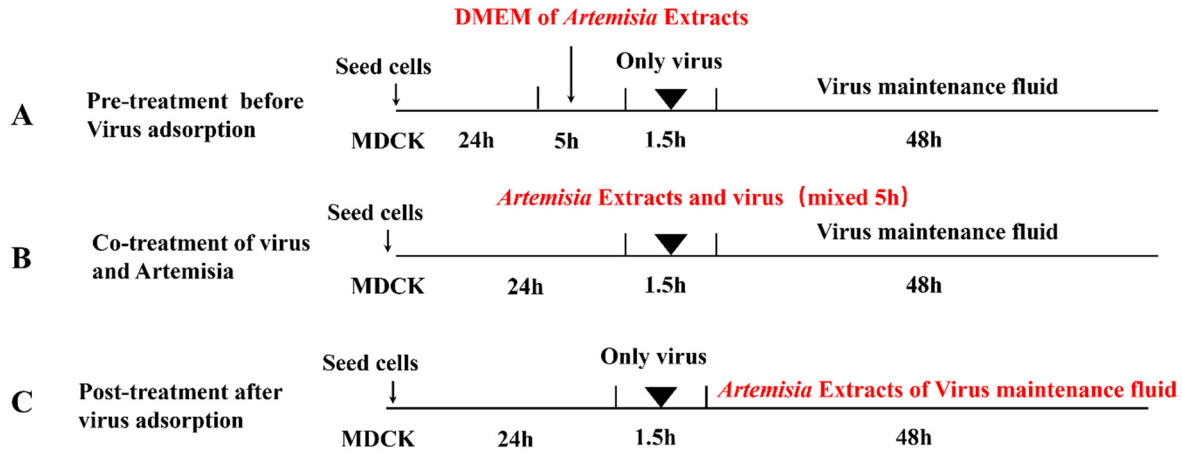


Figure S1: Experimental protocol Antiviral effects of Artemisia extracts against H1N1, using prophylactic, direct, and therapeutic assays

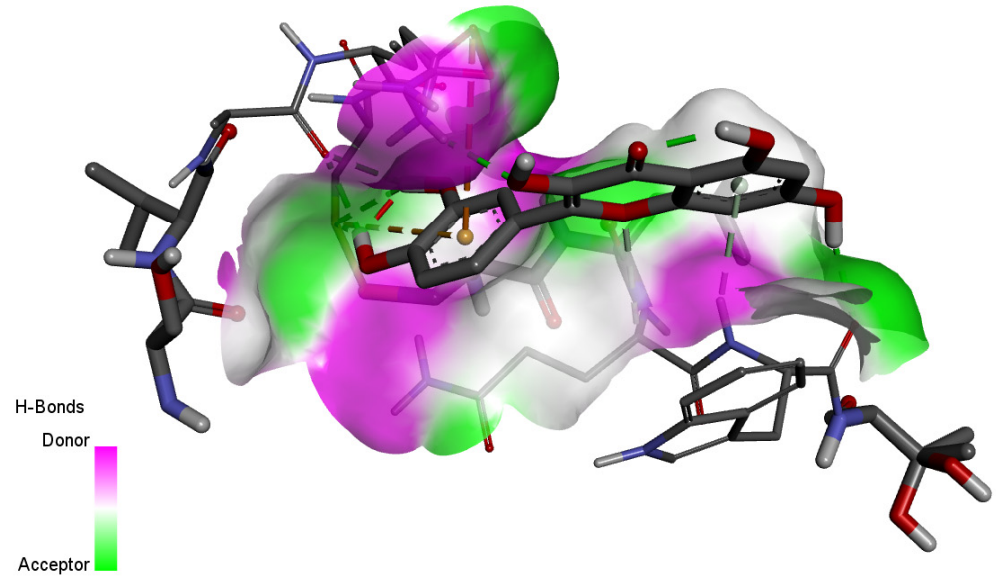


Figure S2: The molecular docking diagram of AKT1 and quercetin.

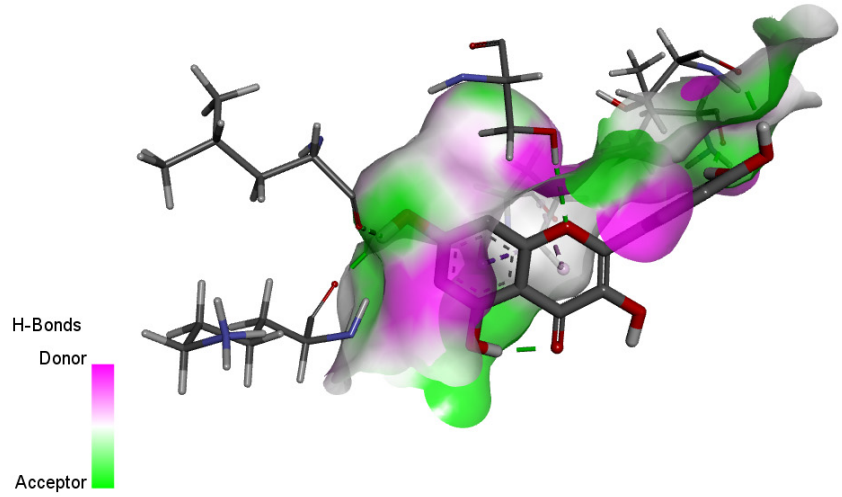


Figure S3: The molecular docking diagram of IL-1β and quercetin.

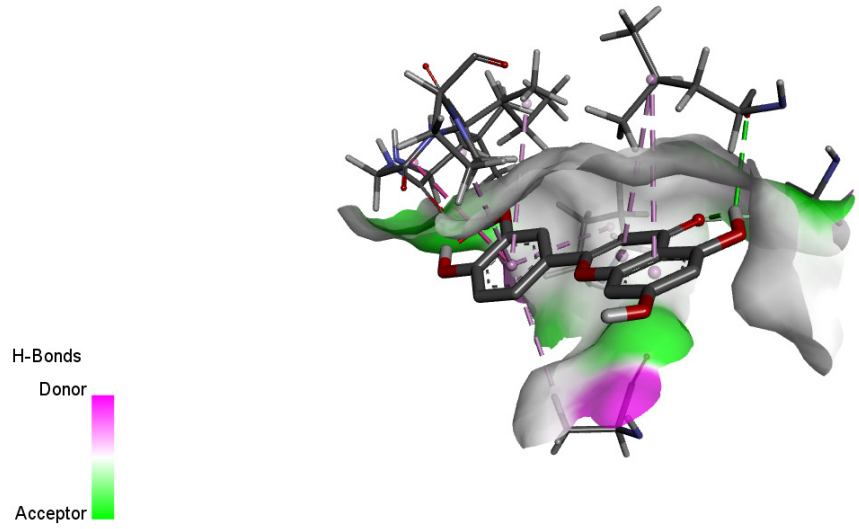


Figure S4: The molecular docking diagram of IL-6 with luteolin.

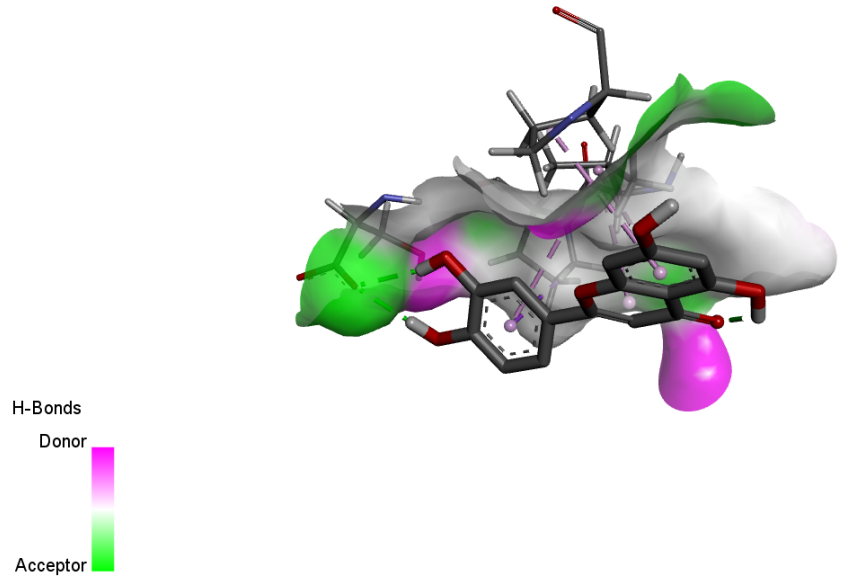


Figure S5: The molecular docking diagram of TNF and luteolin.

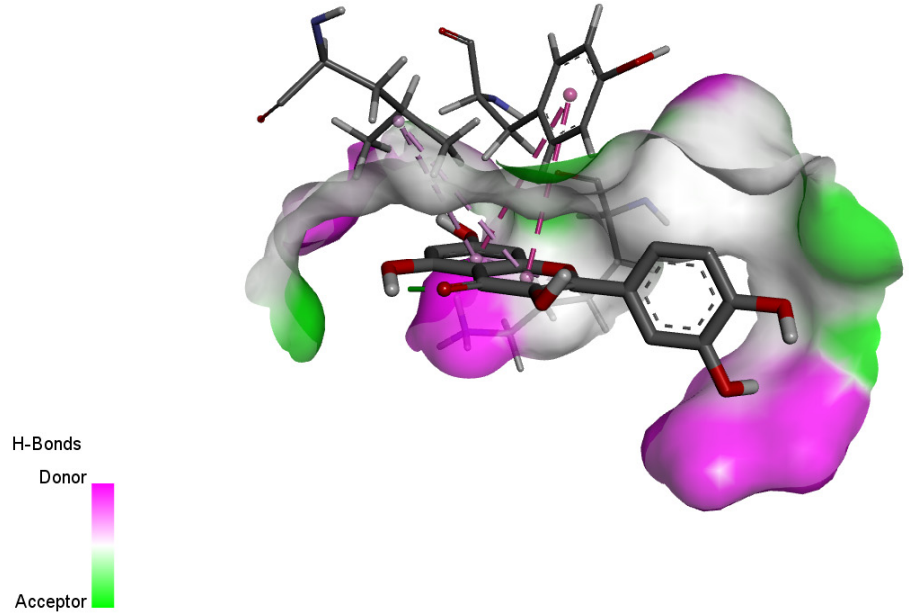


Figure S6: The molecular docking diagram of TP53 and luteolin.

Table S1. Bioactives of Qinghao, Aiye, and Yinchen

Herb	MOL ID	Molecule Name	OB	MW	DL	FASA
Aiye	MOL001040	(2R)-5,7-dihydroxy-2-(4-hydroxyphenyl)chroman-4-one	42.36332114	272.27	0.21141	0.40827
Aiye	MOL001494	Mandenol	41.99620045	308.56	0.19321	0.24769
Aiye	MOL002883	Ethyl oleate (NF)	32.39738821	310.58	0.19061	0.19264
Aiye	MOL000358	β-sitosterol	36.91390583	414.79	0.75123	0.22551
Aiye	MOL000449	Stigmasterol	43.82985158	412.77	0.75665	0.21679
Aiye	MOL005720	24-methylenecyloartanone	41.11402541	438.81	0.79445	0
Aiye	MOL005735	dammaradienyl acetate	44.83322704	454.81	0.83455	0
Aiye	MOL005741	cycloartenol acetate	41.10739915	468.84	0.80266	0
Aiye	MOL000098	quercetin	46.43334812	302.25	0.27525	0.38453
Qinghao	MOL002235	EUPATIN	50.803075	360.34	0.40804	0.2168
Qinghao	MOL000354	isorhamnetin	49.60437705	316.28	0.306	0.32039
Qinghao	MOL000359	sitosterol	36.91390583	414.79	0.7512	0.2248
Qinghao	MOL004083	Tamarixetin	32.85867145	316.28	0.30625	0
Qinghao	MOL004112	Patuletin	53.11412117	332.28	0.33994	0
Qinghao	MOL000422	kaempferol	41.88224954	286.25	0.24066	0
Qinghao	MOL000449	Stigmasterol	43.82985158	412.77	0.75665	0.21679
Qinghao	MOL004609	Areapillin	48.96435072	360.34	0.41394	0.15625
Qinghao	MOL005229	Artemetin	49.55072349	388.4	0.4787	0.15317
Qinghao	MOL000006	luteolin	36.16262934	286.25	0.24552	0.39327
Qinghao	MOL007274	Skrofulein	30.35428448	314.31	0.29677	0.25654
Qinghao	MOL007389	artemisitene	54.36006909	280.35	0.30768	0.32726
Qinghao	MOL007400	vicenin-2-qt	45.8447913	270.25	0.21306	0.03364
Qinghao	MOL007401	Cirsiliol	43.46202928	330.31	0.33728	0.24764
Qinghao	MOL007404	vitexin-qt	52.18311498	270.25	0.21339	0.03448
Qing hao	MOL007412	DMQT	42.60003932	346.31	0.36822	0.24526
Qinghao	MOL007415	[(2S)-2-[[(2S)-2-(benzoylamino)-3-phenylpropanoyl]amino]-3-phenylpropyl] acetate	58.01629624	444.57	0.51957	0.41382
Qinghao	MOL007423	6,8-di-c-glucosylapigenin-qt	59.85218367	270.25	0.21318	0.03712
Qinghao	MOL007424	artemisinin	49.8792598	282.37	0.30597	0.30468
Qinghao	MOL007425	dihydroartemisinin	50.75046198	284.39	0.30426	0.23487
Qinghao	MOL007426	deoxyartemisinin	54.47158344	266.37	0.26103	0.28802

Qinghao	MOL000098	quercetin	46.43334812	302.25	0.27525	0.38453
Yinchen	MOL000354	isorhamnetin	49.60437705	316.28	0.306	0.32039
Yinchen	MOL000358	β-sitosterol	36.91390583	414.79	0.75123	0.22551
Yinchen	MOL004609	Areapillin	48.96435072	360.34	0.41394	0.15625
Yinchen	MOL005573	Genkwanin	37.13043182	284.28	0.23696	0.32014
Yinchen	MOL007274	Skrofulein	30.35428448	314.31	0.29677	0.25654
Yinchen	MOL008039	Isoarcapillin	57.40371506	360.34	0.41385	0.17893
Yinchen	MOL008040	Eupalitin	46.1073328	330.31	0.32797	0.25261
Yinchen	MOL008041	Eupatolitin	42.54906294	346.31	0.36988	0.28806
Yinchen	MOL008043	capillarisin	57.55591996	316.28	0.31388	0.27985
Yinchen	MOL008045	4'-Methylcapillarisin	72.18218096	330.31	0.35197	0.26166
Yinchen	MOL008046	Demethoxycapillarisin	52.33232141	286.25	0.24932	0.35744
Yinchen	MOL008047	Artepillin A	68.31719082	316.43	0.23516	0.2881
Yinchen	MOL000098	quercetin	46.43334812	302.25	0.27525	0.38453

*OB: Oral Bioavailability, DL: Drug-Likeness, and FASA: Fractional Accessible Surface Area.