

Supplementary Table S1. LC-MS data of the absorbed components of PTR in rat blood[12][#]

modle	NO	Retention time	Name	Formula	Experimental Mass	Secondary fragment ions	Mass Error
[M-H]-	F1	9.38	puerarin-4'-O- β -D-glucopyranoside*	C27H30O14	577.1571	457.1132	1.4
[M-H]-	F2	14.51	puerarin*	C21H20O9	415.1039	295.0602,277.0489,267.0644	-2.5
[M-H]-	F3	15.19	puerarin-6''-O-xyloside*	C26H28O13	547.1444	295.0570	-2.5
[M-H]-	F4	15.72	3'-methoxy puerarin*	C22H22O10	445.1123	325.0699,310.0476,297.0738,282.0521	-3.8
[M-H]-	F5	15.91	puerarin apioside*	C26H28O13	547.1455	295.0588,267.0642	-0.5
[M-H]-	F6	17.65	p-Hydroxycinnamic acid*	C9H8O3	163.0395	119.0495	-3.6
[M+H]+	F7	17.82	daidzin*	C21H20O9	417.1172	255.0646	-2.0
[M-H]-	F8	23.91	salicylic acid*	C7H6O3	137.0244	93.0348	-0.1
[M+H]+	F9	29.53	ononin*	C22H22O9	431.1334	269.0797	-0.5
[M-H]-	F10	30.74	daidzein*	C15H10O4	253.0495	224.0459,208.0507	-4.4
[M-H]-	F11	37.61	naringenin*	C15H12O5	271.0596	151.0011,119.0504	-5.9
[M-H]-	F12	37.88	genistein*	C15H10O5	269.0454	269.0447	-0.6
[M-H]-	F13	39.19	isoliquiritigenin*	C15H12O4	255.0650	135.0078,119.0510,91.0196	-4.9
[M-H]-	F14	39.45	formononetin*	C16H12O4	267.0648	252.0410,223.1684,195.0436	-5.7
[M-H]-	F15	40.38	biochanin A*	C16H12O5	283.0600	267.0286,240.0426, 239.0321,211.0366	-4.3

Note *: indicates confirmation by comparison with reference material; [12][#]: Adapted from Honghua Yu, Xiaowei Meng, and **Jiarong Li**(2022 China journal of Chinese materia medica).