

Figure S1

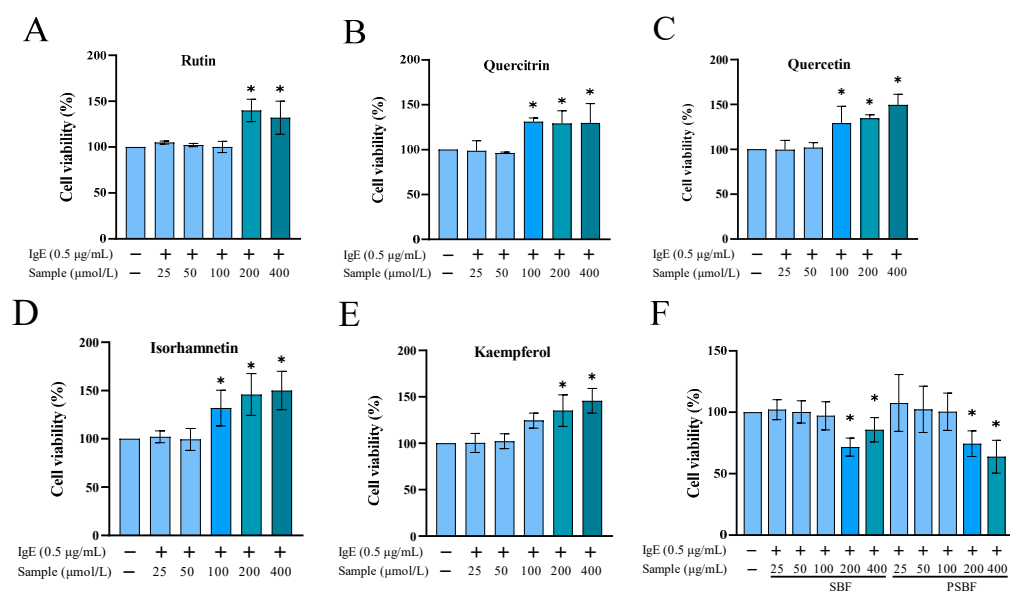


Figure S1. Five compounds (A-E) and cytotoxic effect of SBF, PSBF (F) on RBL-2H3 cells. Results are expressed as the mean \pm SD of three independent experiments. (* $p < 0.05$).

Table S1 The elution procedure of the mobile phase

Elution time (min)	Solvent A: acetonitrile (%)	Solvent B: 0.4% phosphoric acid aqueous solution (%)
0	10	90
7	15	85
10	17	83
25	17	83
27	18	82
31	19	81
34	19	81
38	26	74
42	26	74
55	50	50
60	10	90

Table S2 Box-Behnken design and response values for the flavonoid amount of sea buckthorn

	A	B	Pressure-holding	C	Ethanol	D	Liquid-to-solid	Y	Flavonoid
Runs	Pressure	time		concentration		ratio		amount	
	(MPa)	(min)		(%)		(mL/g)		(mg/g)	
1	1		0	1			0		3.58
2	1		0	0			1		3.20
3	1		1	0			0		4.00
4	1		0	0			-1		3.51
5	1		-1	0			0		3.58
6	1		0	-1			0		3.05
7	-1		-1	0			0		3.20
8	-1		0	0			1		3.19
9	-1		1	0			0		3.42
10	-1		0	-1			0		3.01
11	-1		0	1			0		2.81
12	-1		0	0			-1		2.81
13	0		-1	0			-1		4.21
14	0		-1	0			1		4.40
15	0		0	-1			-1		3.51
16	0		1	0			1		4.21
17	0		0	-1			1		3.80
18	0		-1	1			0		4.40
19	0		1	1			0		4.40
20	0		0	1			1		3.81

21	0	1	0	-1	4.39
22	0	1	-1	0	4.02
23	0	-1	-1	0	3.72
24	0	0	1	-1	4.01
25	0	0	0	0	5.09
26	0	0	0	0	4.92
27	0	0	0	0	4.88
28	0	0	0	0	5.07
29	0	0	0	0	4.97