

Supplementary information

The data of optimization of extraction conditions as follows:

Table 1 Results of different extraction solvent (n=2)

Solvents	Gallic acid (%)	Tyrosol (%)	Salidroside (%)	Total (%)
Alcohol	0.0584	0.103	1.501	1.671
Methanol	0.237	0.157	1.816	2.210
methanol-water(3:7)	0.405	0.156	1.786	2.348
methanol-water(5:5)	0.259	0.156	1.815	2.230
methanol-water(6:4)	0.273	0.166	1.934	2.373
methanol-water(7:3)	0.250	0.150	1.761	2.161
methanol-water(9:1)	0.254	0.160	1.863	2.277

Table 2 Results of different extraction methods (n=2)

Methods	Gallic acid (%)	Tyrosol (%)	Salidroside (%)	Total (%)
Sonication	0.259	0.159	1.858	2.277
Reflux	0.278	0.168	2.025	2.471
Maceration	0.263	0.164	1.839	2.266

Table 3 Results of different solvent volumes (n=2)

Volumes	Gallic acid (%)	Tyrosol (%)	Salidroside (%)	Total (%)
5ml	0.238	0.156	1.712	2.106
15ml	0.263	0.160	1.871	2.292
30ml	0.260	0.158	1.844	2.261

Table 4 Results of different extraction time (n=2)

Time (minutes)	Gallic acid (%)	Tyrosol (%)	Salidroside (%)	Total (%)
15	0.257	0.155	1.815	2.228
30	0.264	0.161	1.888	2.313

45	0.259	0.156	1.816	2.232
60	0.258	0.156	1.815	2.229

Table 5 Results of different extraction frequency (n=2)

Frequency	Gallic acid (%)	Tyrosol (%)	Salidroside (%)	Total (%)
Once	0.207	0.127	1.504	1.837
Twice	0.219	0.144	1.616	1.979