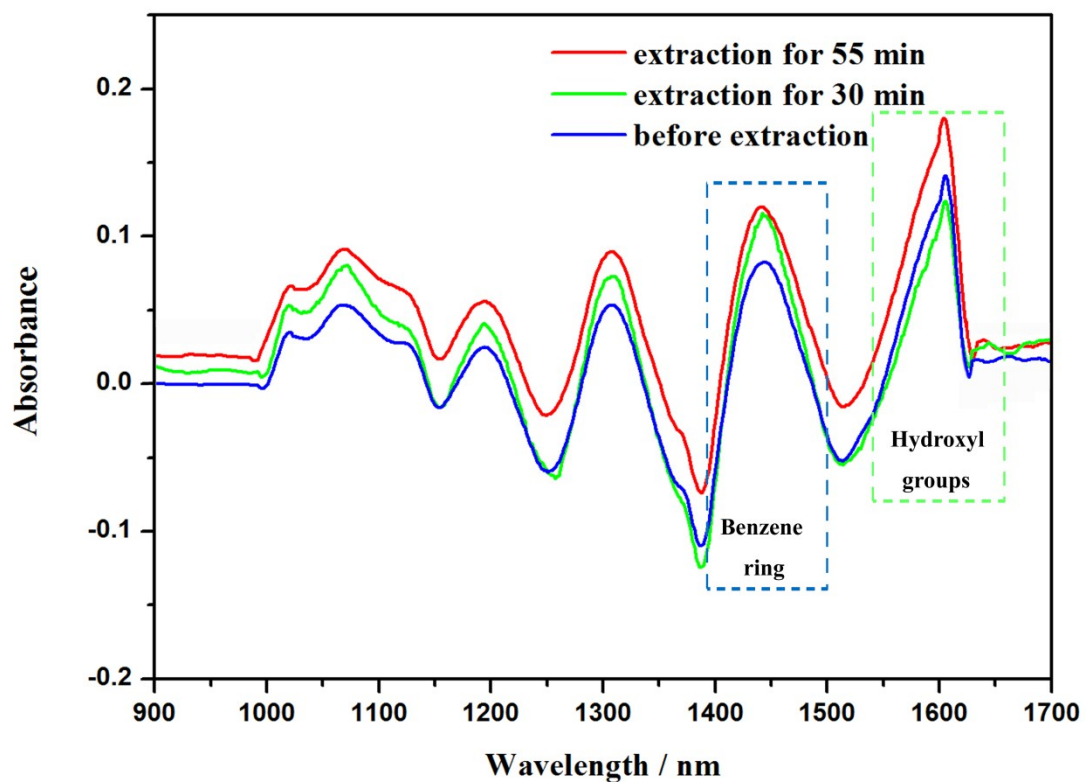


Supplementary Information 1(a) 3D-plots between related parameters for the extraction of tropane alkaloids

**Supplementary Information 1(b)** The analysis results of response surface method

Source	Sum of Squares	df	Mean Square	F Value	p-value Prob> F
Model	188.54	9	20.95	48.29	< 0.0001
A:liquid-solid ratio	100.47	1	100.47	231.58	< 0.0001
B:Temperature	10.82	1	10.82	24.94	0.0016
C:Time	2.48	1	2.48	5.73	0.0479
AB	0.30	1	0.30	0.69	0.4342
AC	0.15	1	0.15	0.34	0.5755
BC	0.083	1	0.083	0.19	0.6741
A <sup>2</sup>	9.46	1	9.46	21.80	0.0023
B <sup>2</sup>	27.16	1	27.16	62.61	< 0.0001
C <sup>2</sup>	30.33	1	30.33	69.92	< 0.0001
Residual	3.04	7	0.43		
Lack of Fit	1.74	3	0.58	1.78	0.2893
Pure Error	1.30	4	0.32		
Cor Total	191.58	16			



**Supplementary Information 2** The NIR spectra of alkaloids extraction from *Radix Physochlainae*