

## Supplementary Materials

Figure S1:

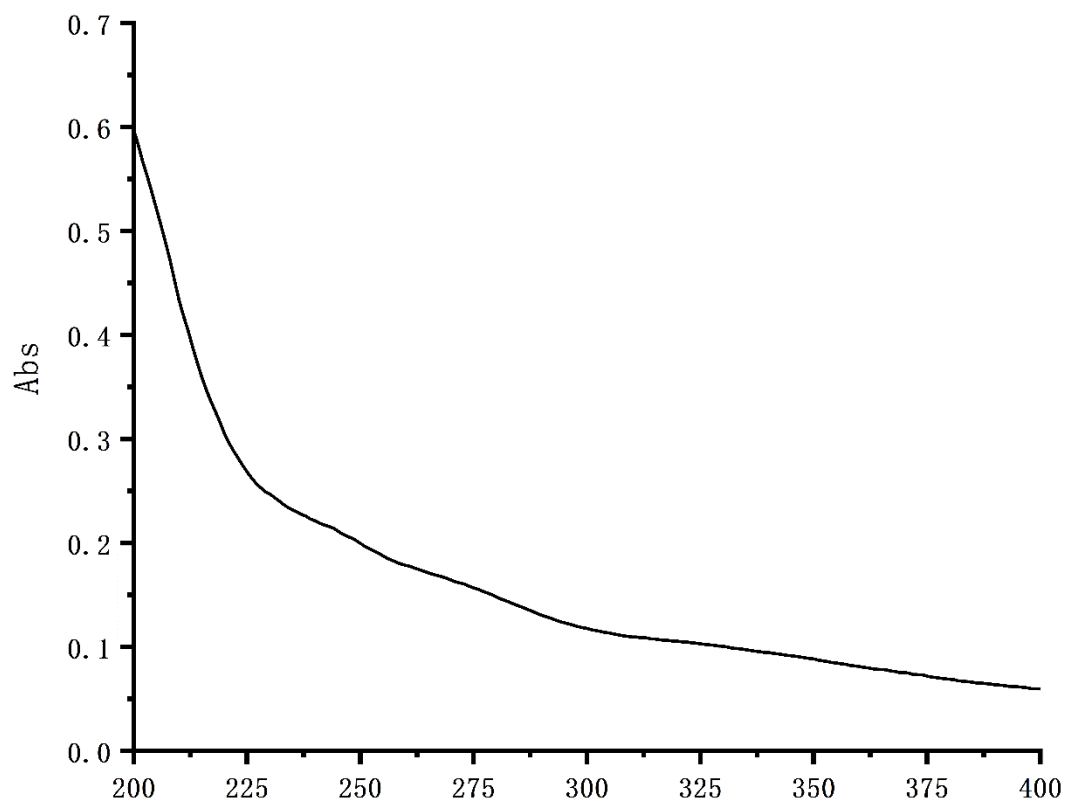


Figure S1 UV scanning spectrum of BPP

Table S1

Table S1. Effect of BPP on liver index in mice

Groups	Body weight (g)	Liver weight (g)	Liver index (%)
CON	27.75±1.74 <sup>b</sup>	1.24±0.08 <sup>b</sup>	4.46±0.25 <sup>b</sup>
APAP	23.6±1.33 <sup>c</sup>	1.59±0.16 <sup>a</sup>	6.73±0.55 <sup>a</sup>
PD	27.89±1.82 <sup>b</sup>	1.22±0.12 <sup>b</sup>	4.39±0.25 <sup>b</sup>
L-BPP	30.29±2.46 <sup>ab</sup>	1.44±0.12 <sup>a</sup>	4.77±0.6 <sup>b</sup>
M-BPP	33.16±3.34 <sup>a</sup>	1.54±0.22 <sup>a</sup>	4.63±0.3 <sup>b</sup>
H-BPP	31.38±1.32 <sup>a</sup>	1.38±0.1 <sup>b</sup>	4.41±0.16 <sup>b</sup>

Different data markers in the same column indicate significant differences ( $p < 0.05$ )

Table S2

Table S2 Alpha diversity index table

Groups	CON	APAP	H-BPP
sobs	318.14±43.017 <sup>b</sup>	303.57±25.98 <sup>b</sup>	331.43±34.534 <sup>a</sup>
ace	374.71±41.166 <sup>a</sup>	345.34±35.104 <sup>a</sup>	385.6±34.344 <sup>a</sup>
shannon	3.221±0.626 <sup>b</sup>	3.827±0.206 <sup>a</sup>	3.493±0.543 <sup>b</sup>
simpson	0.124±0.075 <sup>a</sup>	0.055±0.01 <sup>b</sup>	0.088±0.051 <sup>a</sup>

Table S3

Table S3. Effect of FMT on liver index in mice

Groups	Body weight (g)	Liver weight (g)	Liver index (%)
CON	29.73±2.17 <sup>b</sup>	1.37±0.09 <sup>c</sup>	4.6±0.1 <sup>c</sup>
APAP	27.75±0.91 <sup>a</sup>	1.73±0.05 <sup>a</sup>	6.23±0.1 <sup>a</sup>
ABX	27.28±0.76 <sup>a</sup>	1.63±0.08 <sup>b</sup>	5.99±0.31 <sup>a</sup>
FMT	28.13±1.51 <sup>ab</sup>	1.48±0.12 <sup>c</sup>	5.25±0.32 <sup>b</sup>

Different data markers in the same column indicate significant differences ( $p < 0.05$ )

Table S4

Table S4. Effect of BPP on liver index in pseudo sterile mice

Groups	Body weight (g)	Liver weight (g)	Liver index (%)
CON	29.73±2.17 <sup>a</sup>	1.37±0.09 <sup>a</sup>	4.6±0.1 <sup>b</sup>
ABX	28.18±0.76 <sup>a</sup>	1.63±0.08 <sup>b</sup>	5.8±0.3 <sup>a</sup>
ABX-BPP	27.54±1.39 <sup>b</sup>	1.6±0.12 <sup>b</sup>	5.83±0.46 <sup>a</sup>

Different data markers in the same column indicate significant differences ( $p < 0.05$ )