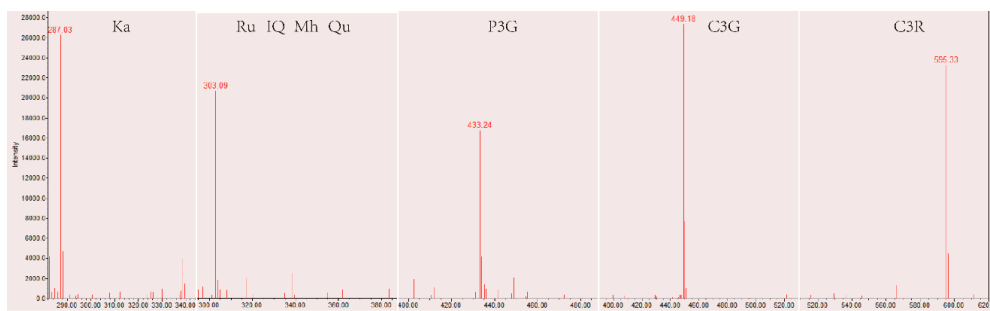
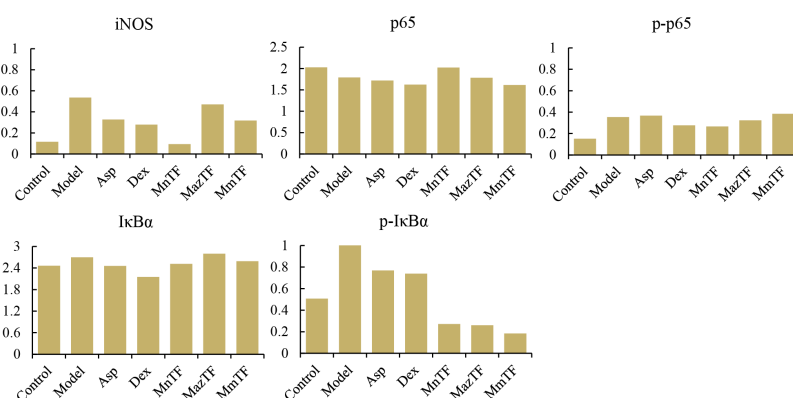


Supplementary Materials:
Table S1. Data of antinociceptive activities in mice.

Antinociceptive activities of		Control	Asp	Dex	MnTF	MmTF	MazTF
		(s)					
MnTF, MmTF, and MazTF	0-5 min	59±12	30±14	50±7	49±17	50±25	51±13
	15-30 min	122±49	16±18	54±28	60±20	140±121	48±52
	Total time	181±42	46±25	104±28	109±30	190±123	99±60

Antinociceptive activities of		Control	Asp	Dex	C3G	Ru	IQ	Mix
		(s)						
C3G, Ru, and IQ	0-5 min	33±14	35±4	28±13	30±13	32±20	28±11	21±15
	15-30 min	55±14	9±13	14±16	38±17	61±25	48±17	20±12
	Total time	88±20	44±15	42±25	68±28	93±45	76±10	41±11

Figure S1: Spectra of anthocyanins and flavonols by UPLC-TUV/QDa.

Figure S2. Western blotting of TFs on the expression of inflammation-related proteins. The grayscale of β -actin is set to 1, and the other groups use it as a reference.

Figure S3: Schematic representation of the inhibitory effect of MnTF on the cytokines, NF- κ B, and NO pathways in RAW 264.7 cells.

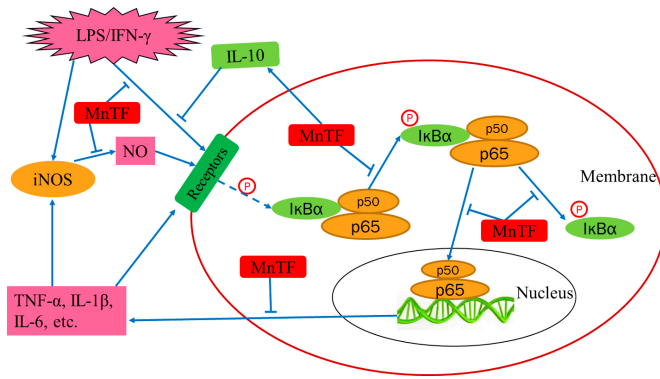


Figure S4: MBC of MnTF against *E. coli* (a), *P. aeruginosa* (b), and *S. aureus* (c) shown by absorbance. Data are means \pm SD ($n = 3$). Values with asterisks (**) are significantly different ($p < 0.01$) from values in the control group.

