Table S1. Primer sequences for qRT-PCR analysis.

Source	Gene	Sequence (5'-3')
B16F10 cell	TRP1-F	GAGTGACATCCTGTGGCTCA
	TRP1-R	CGATACCCTGGGAACACTTT
	TRP2-F	GCATCTGTGGAAGGGTTGTT
	TRP2-R	ACTCCTTCCTGAATGGGACC
	TYR-F	ATAGGTGCATTGGCTTCTGG
	TYR-R	CCAACGATCCCATTTTTCTT
	β-actin-F	CCCACTCCTAAGAGGAGGATG
	β-actin-R	AGGGAGACCAAAGCCTTCAT
Platycodon grandiflorus	PlgSS1-F	GCCGGAAAAGTAACCGATAAATG
	PlgSS1-R	TTGGCGATATAACAGCAGTGATG
	PlgSS2-F	CAATCGGAACGCTAGCTCTATGT
	PlgSS2-R	TCAGCATGGAAGCAAAATCG
	PlgSE1-F	GCCCTGCTCTCTGGTCTGAA
	PlgSE1-R	CCCAGATGCATTCGAAATCA
	PlgSE2-F	TCGACAGGACCAGTATCTTTGCT
	PlgSE2-R	AATCAATCTGGCTCCAATCCA
	Plgβ-AS1-F	GGACTGCCAGGATAGGGAGAA
	Plgβ-AS1-R	ACGTCAACCGGTAAAGCGTAA
	Plgβ-AS2-F	AACCAGGGAAGGGCAGAGA
	Plgβ-AS2-R	GGTTGACGGGTTCCAACAGA
	Plgβ-A28O-F	GCCAACTCAACGCACAAAAAC
	Plgβ-A28O-R	AACTCGCGCGTACTCTTTTCC
	PlgActin-F	CCATACAGTCCCCATTTATGAAG
	PlgActin-R	GCTAACTTCTCCTTCATGTCTCTCA

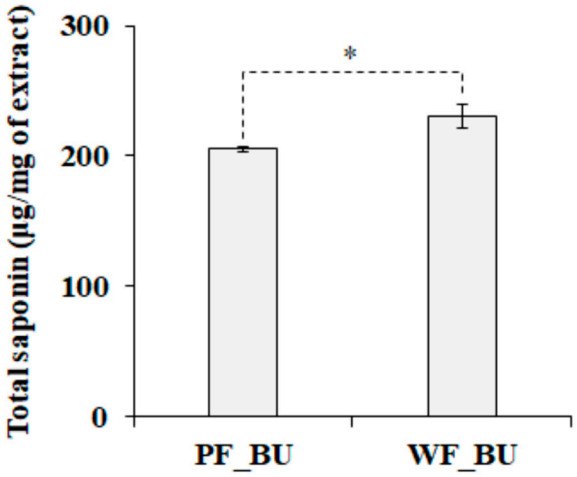


Figure S1. Total saponin content in BuOH fractions. Statistical significance was assessed using Student's t-test (*$p < 0.05$). WF, white-flower; PF_BU, BuOH fraction of purple-flower extract; WF_BU, BuOH fraction of white-flower extract