

Table S1. The Rf values of standard compounds, mixed standard, and content of acid hydrolysate of FEPS.

Compound	Standard	Mixed standard	FEPS
Galactose	0.50	0.50	
Glucose	0.55	0.54	
Mannose	0.60	0.58	
Arabinose	0.67	0.67	
Rhamnose	0.82	0.82	
3			0.58
4			0.54
5			0.50

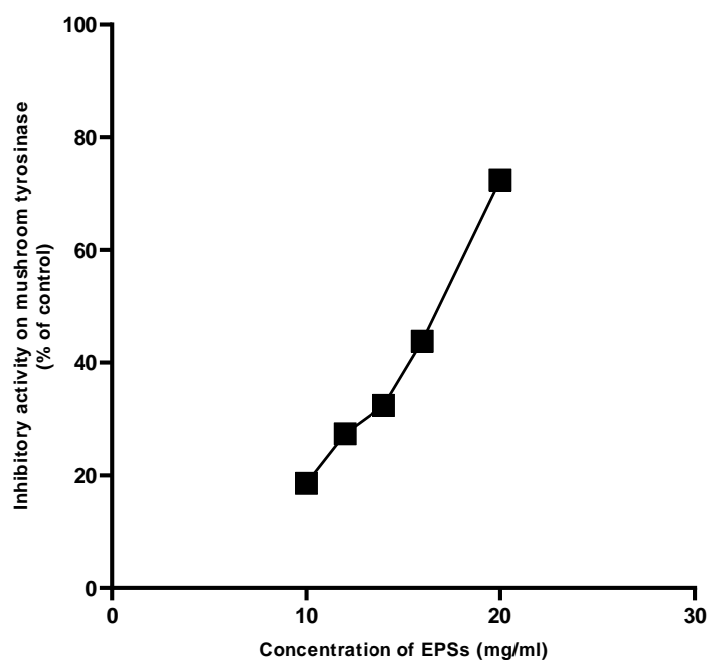


Fig. S1. Inhibitory effect of EPS from *F. castanea* mycelial culture supernatants against mushroom tyrosinase.

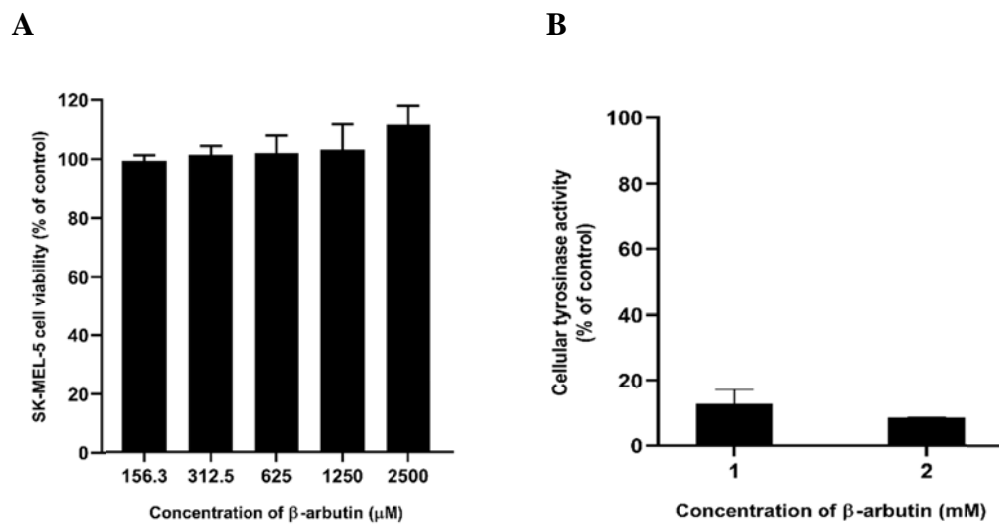


Fig. S2. Cell viability (A), and cellular tyrosinase (B) on SK-MEL-5 human melanoma cells of β -arbutin.