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Eggplant Extract Inhibits Melanogenesis in B16 Mel

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Eggplant extract markedly inhibited melanogenesis in B16 mouse n (B16 cells). To clarify the characteristics of the melanogenesis inhib effective fraction, P1, was separated from the eggplant extract by a fractionation and Sephadex G-100 column chromatography. The P eggplant contained 63% protein, 20% neutral sugar and 11% uron during heating at 60°C for 30 min, and the inhibitory effect remain digestion. P1 weakly inhibited tyrosinase activity in crude B16 cell tyrosinase activity in B16 cells cultured with P1 was reduced. The

activity in B16 cells was equal to melanogenesis suppression in B1
show that the eggplant extract suppresses melanogenesis in B16 cel
tyrosinase.

Keywords: B16 melanoma cells, melanogenesis, eggplant, tyrosin

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