## Effects of Salicylic Acid on Mushroom Tyrosinase and B16 Melanoma Cells

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Z. Naturforsch. **62 c.** 227–233 (2007); received September 13/November 19, 2006 Salicylic acid slightly inhibited the oxidation of L-3.4-dihydroxyphenylalanine (L-DOPA) catalyzed by mushroom tyrosinase noncompetitively without being oxidized. In contrast, 4hydroxybenzoic acid did not inhibit this enzymatic oxidation if a longer reaction time was

observed, although it suppressed the initial rate of the oxidation to a certain extent. Neither acid showed noticeable effects on cultured murine B16-F10 melanoma cells except weak cy-

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