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Biological Activity of Feijoa Peel Extracts

Noboru Motohashi¹, Masami Kawase (河瀬雅美)², Yoshiaki Shirataki (白瀧義明)², Satoru Tani(谷 寛)², Setsuo Saito², Hiroshi Sakagami³, Teruo Kurihara⁴, Hideki Nakashima⁵, Kristina Wolfard⁶, Ilona Mucsi⁶, Andreas Varga⁶ and Joseph Molnar⁶

¹Meiji Pharmaceutical University, Tokyo, Japan; ²Faculty of Pharmaceutical Sciences, Josai University, Saitama, Japan; ³Department of Dental Pharmacology, Meikai University School of Dentistry, Saitama, Japan; ⁴Faculty of Science, Josai University, Saitama, Japan; ⁵Department of Microbiology and Immunology, Kagoshima University Dental School, Kagoshima, Japan; ⁶Faculty of Medicine, Institute of Microbiology, Albert Szent-Gyorgyi Medical University, Szeged, Hungary

Abstract. Fractionated extracts of Feijoa peels were studied for cytotoxic activity, anti-human immunodeficiency virus (HIV) activity and antibacterial activity. Two most cytotoxic fractions A3 of acetone extract and M2 of MeOH extract had potent inhibitory activity against Gram-positive and Gram-negative bacteria as well as fungi tested. Fraction A4 of acetone extract showed multidrug resistance (MDR)-reversal activity comparable with that of verapamil (positive control). These results indicate the therapeutic value of Feijoa peel extracts as potential antimicrobial and MDR-modulating agents.