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(54) Title: A FOOD PRODUCT

(57) **Abstract:** The present invention relates to a food composition beneficial for gastrointestinal tract. We have found that one of the ways human bodies can resist harmful viruses by producing Antimicrobial Peptides (AMPs). However, a few interventions can boost human body's ability to enhance production of such AMPs. It is thus an object of the present invention to provide a food product for boosting Antimicrobial Peptides (AMPs) in the intestinal epithelial cells of the gastrointestinal tract. The present inventors while working on this have surprisingly found that a food product that comprises a vitamin B3 compound or its precursors or analogues thereof, and an edible PPAR fatty acid preferably a hydroxy fatty acid having number of carbon atoms from 6 to 20 is able to boost the AMP generation in the intestinal epithelial cells of the gastrointestinal tract and thereby protecting against the viruses. Furthermore, the present inventors have found that this effect provides for inactivation or killing of enveloped virus in the intestinal epithelial cells of the gastrointestinal tract.



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