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# Enzymatically-hydrolyzed Whey Protein-based Nutritional Supplement

National Cancer Institute

## Source

National Cancer Institute. *Enzymatically-hydrolyzed Whey Protein-based Nutritional Supplement*. NCI Thesaurus. Code C121644.

An orally available, gluten-free, enzymatically hydrolyzed cysteine-rich whey-protein based nutritional supplement containing essential vitamins, minerals, and trace elements, as well as fat and carbohydrates. Upon oral intake of the nutritional supplement, the whey protein may improve gastric functioning and gastrointestinal health, thereby reducing vomiting and diarrhea. The whey-based hydrolyzed protein helps to alleviate the digestive burden for the pancreas and may be beneficial for patients with a pancreas-associated disease, such as pancreatitis or pancreatic cancer. Due to the high levels of cysteine in the whey protein, this supplement increases levels of the antioxidant glutathione (GSH). The polyunsaturated fatty acids in this supplement are incorporated in cell membranes and affect the production of pro-inflammatory mediators, eliciting an anti-inflammatory effect. Medium chain triglycerides (MCT) in this supplement enhance fat absorption and may aid in the prevention of fat malabsorption. Altogether, this supplement may prevent both malnutrition and weight loss.