Creative Enzymes®

High-Potency Sulforaphane Powder

Cat. No. EXTZ-753

Lot. No. (See product label)

Introduction

Description	Nrf2 is a core regulator of cellular homeostasis, expressed in nearly all human tissues, that activates over 500 cytoprotective genes involved in critical biological processes including antioxidant defense, detoxification, anti-inflammation, immune modulation, and protein degradation. Studies have shown that sulforaphane is the most potent Nrf2 inducer found to date in edible plants, and supplementation can systemically enhance the body's defense capabilities, slow aging, and reduce the risk of chronic diseases. Broccoli seeds are rich in the sulforaphane precursor glucoraphanin, but aqueous extracts require conversion by gut microbiota to produce active sulforaphane—a process characterized by low efficiency and significant individual variation, making health benefits difficult to guarantee. This product employs proprietary technology that enhances glucoraphanin's in vitro stability while dramatically improving in vivo conversion efficiency up to 55.8%, representing the optimal solution for next-generation, highly effective sulforaphane supplementation.
Applications	Hot Focus Areas: Gero Protector, Intervention for Mental Disorders, Intervention for Metabolic Diseases, Sports Nutrition Developable Product Categories: dietary supplements, formula milk, medical foods, sports nutrition products, rice & flour products, functional beverages, etc. These can be formulated in various forms, but not limited to, tablet, pill, capsule, powder, bar, and gel.

Product Information

Source	Broccoli seeds
Appearance	White to yellow-brown powder
Purity	≥ 1%, ≥ 5%, ≥ 10% (HPLC), Customized
Function	Targeted activation of the Nrf2 pathway - the body’s core cellular defense system - enables cellular-level health regulation.