Creative Enzymes®

Native Soy Superoxide Dismutase

Cat. No. NATE-1619

Lot. No. (See product label)

Introduction

Description	Superoxide dismutase (SOD) catalyzes the dismutation of superoxide radicals to hydrogen peroxide and molecular oxygen. SOD plays a critical role in the defense of cells against the toxic effects of oxygen radicals. SOD competes with nitric oxide (NO) for superoxide anion (which reacts with NO to form peroxynitrite), thereby SOD promotes the activity of NO. SOD has also been shown to suppress apoptosis in cultured rat ovarian follicles, neural cell lines, and transgenic mice by preventing the conversion of NO to peroxynitrate, an inducer of apoptosis.
Applications	Mainly used in health food additives.
Synonyms	Superoxide dismutases; EC 1.15.1.1; copper-zinc superoxide dismutase; Cu-Zn superoxide dismutase; Cu,Zn-SOD

Product Information

Source	Soy
Form	White to pale blue powder
EC Number	EC 1.15.1.1
CAS No.	9054-89-1
Activity	Min 20, 000 U/G

Storage and Shipping Information

Storage	at -4-25°C, dry, dark conditions for 3 years,