

Superoxide Dismutase (SOD)

Product Information

Cat#	DIA-880
Descriptions	Superoxide dismutase (SOD) is a ubiquitous antioxidant metalloenzyme that catalyzes the dismutation of superoxide radicals into hydrogen peroxide and oxygen, protects cells from oxidative stress damage, and is widely applied in antioxidant research, cosmetic development and pharmaceutical research.
Applications	Superoxide dismutase (SOD) is suitable for antioxidant capacity detection kits and oxidative stress level assay reagent development.
Features	Natural fermented source, high safety; Soluble in water, high activity, specificity and effectiveness.
CAS No.	9054-89-1
Enzyme Source	SOD can be derived from animal blood, plants, it can be sourced from microbial fermentation too. Animal derived SOD is heterologous protein and unstable in room temperature, it is also potentially contaminated by viruses in the animal blood, it is prohibited to use in human body by EU and WHO. Plants derived SOD is only-a-few and hard-to-extract, so it's costly. And microbial fermented SOD can solve all the problems, will attract more and more attentions from all around the globe.
Synonyms	1,2-Naphthalenedione, 3-nitro-[ACD/Index Name] 3-Nitro-1,2-naphtalènedione [French] [ACD/IUPAC Name] 3-Nitro-1,2-naphthalenedione [ACD/IUPAC Name] 3-Nitro-1,2-naphthalindion [German] [ACD/IUPAC Name] 1,2-NAPHTHALENEDIONE,3-NITRO- 3-nitro-1,2-naphthoquinone 3-nitronaphthalene-1,2-dione 7474-84-2 [RN] 9054-89-1 [RN] MFCD00454273
Usage & Dosage	Recommended dosage is 20-100ppm. The optimum dosage can be determined by



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experimentation. Dissolve in a small amount of experimental water before use and then add.
