

Superoxide Dismutase, Bovine

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description

Superoxide Dismutase, Bovine (EC 1.15.1.1) catalyzes the dismutation of superoxide radicals into hydrogen peroxide and molecular oxygen. This enzyme is crucial in the cellular defense against the toxic effects of oxygen radicals. It competes with nitric oxide (NO) for superoxide anions, which react with NO to form peroxynitrite, thus enhancing NO activity.

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