Data Sheet (Cat.No.TRP-00490)

TargetMol

Cu/Zn Superoxide dismutase

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	Cu/Zn Superoxide dismutase (Cu/ZnSOD; SOD1) is a cytoplasmic copper-zinc dimeric form of superoxide dismutase. It functions by catalyzing the dismutation of superoxide radicals.
Targets(IC50)	Others
In vitro	Cu/Zn Superoxide dismutase (SOD1) is a widely present cytoplasmic dimeric non-carbohydrate molecule, part of the isozymes involved in the removal of superoxide anions. This enzyme is constitutively secreted or released following depolarization induced by high extracellular K+ concentrations. Cu/Zn Superoxide dismutase can stimulate pathways involving ERK1/2 and AKT activation via muscarinic M1 receptors.

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