

Peroxidase

Chemical Properties

CAS No. : 9003-99-0

Formula:

Molecular Weight:

Appearance: no data available

Storage: store at low temperature

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

Peroxidase

Biological Description

Description	Peroxidase, found in the roots of horseradish, actively involves in oxidizing reactive oxygen species, innate immunity, hormone biosynthesis, and pathogenesis of several diseases.
Targets(IC50)	Others
In vitro	Peroxidases are enzymes found across nearly all living organisms, existing as monomers, dimers, or tetramers, and are encoded by genes located on various chromosomes. They display organ-specific, tissue-specific, cell-specific, and sub-cellular distribution patterns, fulfilling distinct functions. This vast family of isoenzymes, typically containing heme and varying in molecular weight from 35-100 Kd, includes mammalian peroxidases, which are significantly larger (576-738 amino acids) compared to those found in plants[1].

Solubility Information

Solubility	DMSO: 50.00mg/ml (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Khan AA, et al. Biochemical and pathological studies on peroxidases -an updated review. Glob J Health Sci. 2014 May 13;6(5):87-98.

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