

Pectinase

Chemical Properties

CAS No. : 9032-75-1

Formula:

Molecular Weight:

Keep away from moisture

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	Pectinase (PGs) is a pathogen-derived factor produced by fungal pathogens during early plant infection, inhibiting leucine-rich repeat proteins in plant cells.
Targets(IC50)	Others
In vitro	This product is derived from <i>Aspergillus niger</i> fermentation. The effective temperature range is between 25-65°C, with the optimal operating temperature being 50-60°C. The effective pH range is 2.5-4.5, with the optimal pH range being 3.3-4.0. Activators for this compound include Ca ²⁺ and Mg ²⁺ , while Cu ²⁺ and Fe ³⁺ serve as inhibitors.

Solubility Information

Solubility	H2O: < 0.1 mg/mL (insoluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Zhang L, et al. Supplementation of citrus pectin with whole-cell pectinase PG5 on *Pichia pastoris* promotes recovery of colitis and enhances intestinal barrier function in DSS-treated mice. *Int J Biol Macromol.* 2024 Apr;264 (Pt 1):130476.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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