

exo- $\beta$ -1,4-xylosidase, Clostridium stercorarium

## Chemical Properties

CAS No. : 9025-53-0

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	Exo- $\beta$ -1,4-xylosidase, derived from Clostridium stercorarium (EC.3.2.1.37), is an exonuclease that specifically targets the $\beta$ -1,4 glycosidic bonds at the non-reducing ends of xylan and xylooligosaccharides. This enzyme requires Ca <sup>2+</sup> ions, facilitating the hydrolysis of $\beta$ -1,4 glycosidic bonds through reversible metal ion binding, consequently breaking down xylan into xylose. It is utilized in fields such as lignocellulosic bioconversion, bioethanol production, and the optimization of xylan saccharification processes.
Targets(IC50)	DNA/RNA Synthesis

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481