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Product Information

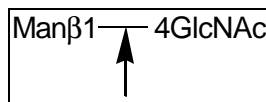
β-Mannosidase from snail acetone powder

Product Number **M 9400**
Storage Temperature 2–8 °C

CAS# 9025-43-8
EC 3.2.1.25
Synonyms: β-D-Mannoside mannohydrolase,
β-D-Mannosidase

Product Description

This product hydrolyzes terminal mannose residues, which are β-1→4 linked to oligosaccharides or glycopeptides with relative specificity. Other mannose residues linked β-1→3 and β-1→6 are reported to be hydrolyzed at much lower rates.



Molecular weight: ~94 kDa

Isoelectric point (pI): 4.7

pH optimum: 4.0

The enzyme is supplied as a suspension in 3.0 M ammonium sulfate containing 10 mM sodium acetate, pH ~4.0.

Specific activity: 5–30 units/ml

Unit Definition: One unit will hydrolyze 1 μmole of p-nitrophenyl β-D-mannopyranoside to p-nitrophenol and D-mannose per minute at pH 4.0 at 25 °C.

Each lot of enzyme is tested for contaminating activities and contains:

≤1% α-mannosidase

≤1% β-N-acetylglucosaminidase

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

It is recommended to store the product at 2–8 °C.

References

McCleary, B.V., Carbohydr. Res., **111**, 297 (1983).

AE,MAM 02/05-1

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