

Enzyme Endo-1,4-beta-xylanase

Systematic name 4- β -D-xylan xylanohydrolase

IUBMB nomenclature endo-1,4- β -xylanase

CAS number 9025-57-4

IUBMB number EC 3.2.1.8

EC number 232-800-2

Synonyms

- endo-(1 \rightarrow 4)- β -xylan 4-xylanohydrolase; endo-1,4-xylanase; xylanase; β -1,4-xylanase; endo-1,4-xylanase; endo- β -1,4-xylanase; endo-1,4- β -D-xylanase; 1,4- β -xylan xylanohydrolase; β -xylanase; β -1,4-xylan xylanohydrolase; endo-1,4- β -xylanase; β -D-xylanase

Properties Endohydrolysis of (1 \rightarrow 4)- β -D-xylosidic linkages in xylans. The xylanase catalyses the endo-hydrolysis of 1,4- β -D-xylosidic linkages in xylan (including arabinoxylan, which is xylan branched with arabinose), resulting in the generation of (1 \rightarrow 4)- β -D-xylan oligosaccharides of different chain lengths.