

Enzyme Beta-glucosidase

Systematic name Beta-D-glucoside glucohydrolase

IUBMB nomenclature β -glucosidase

CAS number 9001-22-3

IUBMB number EC 3.2.1.21

EC number 232-589-7

Synonyms

- gentiobiase; cellobiase; emulsin; elaterase; aryl- β -glucosidase; β -D-glucosidase; β -glucoside glucohydrolase; arbutinase; amygdalinase; p-nitrophenyl β -glucosidase; primeverosidase; amygdalase; linamarase; salicilinas; β -1,6-glucosidase

Properties Hydrolysis of terminal, non-reducing β -D-glucosyl residues with release of β -D-glucose. Wide specificity for β -D-glucosides. Some examples also hydrolyse one or more of the following: β -D-galactosides, α -L-arabinosides, β -D-xylosides, β -D-fucosides.