

Enzyme Alpha-L-rhamnosidase

Systematic name α -L-rhamnoside rhamnohydrolase

IUBMB nomenclature α -L-rhamnosidase

CAS number 37288-35-0

IUBMB number EC 3.2.1.40

EC number None

Synonyms

- α -L-rhamnosidase T; α -L-rhamnosidase N

Properties Hydrolysis of terminal non-reducing α -L-rhamnose residues in α -L-rhamnosides. The enzyme, found in animal tissues, plants, yeasts, fungi and bacteria, utilizes an inverting mechanism of hydrolysis, releasing β -L-rhamnose. Substrates include naringin, rutin, quercitrin, hesperidin, dioscin, terpenyl glycosides and many other natural glycosides containing terminal α -L-rhamnose.