Creative Enzymes®

β-apiosyl-β-glucosidase

Cat. No. EXWM-3843

Lot. No. (See product label)

Introduction

Description	The enzyme from the tropical tree Dalbergia nigrescens Kurz belongs inglycosyl hydrolase family 1. The enzyme removes disaccharides from the natural substrates dalpatein 7-O-β-D-apiofuranosyl-(1→6)-β-D-glucopyranoside and 7-hydroxy-2',4',5',6-tetramethoxy-7-O-β-D-apiofuranosyl-(1→6)-β-D-glucopyranoside (dalnigrein 7-O-β-D-apiofuranosyl-(1→6)-β-D-glucopyranoside) although it can also remove a single glucose residue from isoflavonoid 7-O-glucosides. Daidzin and genistin are also substrates.
Synonyms	isoflavonoid-7-O-β[D-apiosyl-(1→6)-β-D-glucoside] disaccharidase; isoflavonoid 7-O-β-apiosyl-glucoside β-glucosidase; furcatin hydrolase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.2.1.161
CAS No.	1000598-83-3
Reaction	7-[β-D-apiofuranosyl-(1→6)-β-D-glucopyranosyloxy]isoflavonoid + H2O = a 7-hydroxyisoflavonoid + β-D-apiofuranosyl-(1→6)-D-glucose
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.