Creative Enzymes®

ginsenosidase type I

Cat. No. EXWM-3877

Lot. No. (See product label)

Introduction

Description	Ginsenosidase type I is slightly activated by Mg2+ or Ca2+. The enzyme hydrolyses the 3-O-β-D-(1→2)-glucosidic bond, the 3-O-β-D-glucopyranosyl bond and the 20-O-β-D-(1→6)-glycosidic bond of protopanaxadiol-type ginsenosides. It usually leaves a single glucosyl residue attached at position 20 and one or no glucosyl residues at position 3. Starting with a ginsenoside that is glycosylated at both positions (e.g. ginsenoside Rb1, Rb2, Rb3, Rc or Rd), the most common products are ginsenoside F2 and ginsenoside C-K, with low amounts of ginsenoside Rh2.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.2.1.193
Reaction	(1) a protopanaxadiol-type ginsenoside with two glucosyl residues at position 3 + H2O = a protopanaxadiol-type ginsenoside with one glucosyl residue at position 3 + D-glucopyranose; (2) a protopanaxadiol-type ginsenoside with one glucosyl residue at position 3 + H2O = a protopanaxadiol-type ginsenoside with no glycosidic modifications at position 3 + D-glucopyranose; (3) a protopanaxadiol-type ginsenoside with two glycosyl residues at position 20 + H2O = a protopanaxadiol-type ginsenoside with a single glucosyl residue at position 20 + a monosaccharide
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 ℃.