Creative Enzymes®

ginsenoside Rb1 β-glucosidase

Cat. No. EXWM-3876

Lot. No. (See product label)

Introduction

Description	Ginsenosidases catalyse the hydrolysis of glycosyl moieties attached to the C-3, C-6 or C-20 position of ginsenosides. They are specific with respect to the nature of the glycosidic linkage, the position and the order in which the linkages are cleaved. Ginsenoside Rb1 β-glucosidase specifically and sequentially hydrolyses the 20-[β-D-glucopyranosyl-(1→6)-β-D glucopyranosyloxy] residues attached to position 20 by first hydrolysing the (1→6)-glucosidic bond to generate ginsenoside Rd as an intermediate, followed by hydrolysis of the remaining 20-O-β-D-glucosidic bond.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.2.1.192
Reaction	ginsenoside Rb1 + 2 H2O = ginsenoside Rg3 + 2 D-glucopyranose (overall reaction); (1a) ginsenoside Rb1 + H2O = ginsenoside Rd + D-glucopyranose; (1b) ginsenoside Rd + H2O = ginsenoside Rg3 + D-glucopyranose
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 ℃.