

## ginsenoside Rb1 $\beta$ -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  $\beta$ -glucosidase specifically and sequentially hydrolyses the 20- $[\beta$ -D-glucopyranosyl-(1 $\rightarrow$ 6)- $\beta$ -D glucopyranosyloxy] residues attached to position 20 by first hydrolysing the (1 $\rightarrow$ 6)-glucosidic bond to generate ginsenoside Rd as an intermediate, followed by hydrolysis of the remaining 20-O- $\beta$ -D-glucosidic bond.

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.2.1.192

**Reaction** ginsenoside Rb1 + 2 H<sub>2</sub>O = ginsenoside Rg3 + 2 D-glucopyranose (overall reaction); (1a) ginsenoside Rb1 + H<sub>2</sub>O = ginsenoside Rd + D-glucopyranose; (1b) ginsenoside Rd + H<sub>2</sub>O = 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.