Creative Enzymes®

2-epi-valiolone synthase

Cat. No. EXWM-5170

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the bacteria Actinosynnema mirum and Stigmatella aurantiaca DW4/3-1, produces 2-epi-valiolone, which is believed to function as a precursor in aminocyclitol biosynthesis. It requires a divalent metal ion (Zn2+ or Co2+) and an NAD+ cofactor, which is transiently reduced during the reaction. cf. EC 4.2.3.152, 2-epi-5-epi-valiolone synthase and EC 4.2.3.154, demethyl-4-deoxygadusol synthase.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.3.155
Reaction	D-sedoheptulose 7-phosphate = 2-epi-valiolone + phosphate
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 ℃.