Creative Enzymes®

momilactone-A synthase

Cat. No. EXWM-0204

Lot. No. (See product label)

Introduction

Description	The rice phytoalexin momilactone A is a diterpenoid secondary metabolite that is involved in the defense mechanism of the plant. Momilactone A is produced in response to attack by a pathogen through the perception of elicitor signal molecules such as chitin oligosaccharide, or after exposure to UV irradiation. The enzyme, which catalyses the last step in the biosynthesis of momilactone A, can use both NAD+ and NADP+ but activity is higher with NAD+.
Synonyms	momilactone A synthase; OsMAS

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.1.295
Reaction	3β-hydroxy-9β-pimara-7,15-diene-19,6β-olide + NAD(P)+ = momilactone A + NAD(P)H + H+
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 ℃.