

## 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<sup>+</sup> and NADP<sup>+</sup> but activity is higher with NAD<sup>+</sup>.

**Synonyms** momilactone A synthase; OsMAS

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.295

**Reaction** 3 $\beta$ -hydroxy-9 $\beta$ -pimara-7,15-diene-19,6 $\beta$ -olide + NAD(P)<sup>+</sup> = momilactone A + NAD(P)H + H<sup>+</sup>

**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.