

## demethyl-4-deoxygadusol synthase

Cat. No. EXWM-5169

Lot. No. (See product label)

### Introduction

**Description** The enzyme, characterized from the cyanobacterium *Nostoc punctiforme* PCC 73102, is involved in the biosynthesis of the sunscreen compound shinorine. It requires a divalent metal ion ( $Zn^{2+}$  or  $Co^{2+}$ ) and an NAD<sup>+</sup> cofactor, which is transiently reduced during the reaction. cf. EC 4.2.3.152, 2-epi-5-epi-valiolone synthase and EC 4.2.3.155, 2-epi-valiolone synthase.

**Synonyms** Nos2 (gene name); Anb2 (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.3.154

**Reaction** D-sedoheptulose 7-phosphate = demethyl-4-deoxygadusol + phosphate + H<sub>2</sub>O

**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.