

## methane monooxygenase (soluble)

Cat. No. EXWM-0833

Lot. No. (See product label)

### Introduction

**Description** The enzyme is soluble, in contrast to the particulate enzyme, EC 1.14.18.3. Broad specificity; many alkanes can be hydroxylated, and alkenes are converted into the corresponding epoxides; CO is oxidized to CO<sub>2</sub>, ammonia is oxidized to hydroxylamine, and some aromatic compounds and cyclic alkanes can also be hydroxylated, but more slowly.

**Synonyms** methane hydroxylase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.14.13.25

**CAS No.** 51961-97-8

**Reaction** methane + NAD(P)H + H<sup>+</sup> + O<sub>2</sub> = methanol + NAD(P)<sup>+</sup> + 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.