

## nucleoside oxidase

Cat. No. EXWM-0406

Lot. No. (See product label)

### Introduction

#### Description

Other purine and pyrimidine nucleosides (as well as 2'-deoxyribonucleosides) are substrates, but ribose and nucleotides are not substrates. The overall reaction takes place in two separate steps, with the 5'-dehydro nucleoside being released from the enzyme to serve as substrate for the second reaction. This enzyme differs from EC 1.1.3.39, nucleoside oxidase (H<sub>2</sub>O<sub>2</sub>-forming), as it produces water rather than hydrogen peroxide.

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.3.28

**CAS No.** 82599-71-1

**Reaction** inosine + O<sub>2</sub> = 9-riburonosylhypoxanthine + H<sub>2</sub>O; (1a) 2 inosine + O<sub>2</sub> = 2 5'-dehydroinosine + 2 H<sub>2</sub>O; (1b) 2 5'-dehydroinosine + O<sub>2</sub> = 2 9-riburonosylhypoxanthine

**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.