Creative Enzymes®

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 (H2O2-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 + O2 = 9-riburonosylhypoxanthine + H2O; (1a) 2 inosine + O2 = 2 5'-dehydroinosine + 2 H2O; (1b) 2 5'-dehydroinosine + O2 = 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.