Creative Enzymes®

4-methyl-5-nitrocatechol 5-monooxygenase

Cat. No. EXWM-0812

Lot. No. (See product label)

Introduction

Description	Contains FAD. The enzyme, isolated from the bacterium Burkholderia sp. DNT, can use both NADH and NADPH, but prefers NADPH. It has a narrow substrate range, but can also act on 4-nitrocatechol.
Synonyms	dntB (gene name); 4-methyl-5-nitrocatechol oxygenase; MNC monooxygenase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.210
Reaction	4-methyl-5-nitrocatechol + NAD(P)H + H+ + O2 = 2-hydroxy-5-methylquinone + nitrite + NAD(P)+ + H2O
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 ℃.