

formyltetrahydrofolate dehydrogenase

Cat. No. EXWM-1533

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of oxidoreductases, to be specific those acting on the CH-NH group of donors with NAD⁺ or NADP⁺ as acceptor. The systematic name of this enzyme class is 10-formyltetrahydrofolate:NADP⁺ oxidoreductase. Other names in common use include 10-formyl tetrahydrofolate:NADP oxidoreductase, 10-formyl-H₂PtGlu:NADP oxidoreductase, 10-formyl-H₄folate dehydrogenase, N¹⁰-formyltetrahydrofolate dehydrogenase, and 10-formyltetrahydrofolate dehydrogenase. This enzyme participates in one carbon pool by folate.

Synonyms

10-formyl tetrahydrofolate:NADP oxidoreductase; 10-formyl-H₂PtGlu:NADP oxidoreductase 10-formyl-H₄folate dehydrogenase; N¹⁰-formyltetrahydrofolate dehydrogenase 10-formyltetrahydrofolate dehydrogenase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.5.1.6

CAS No.

37256-25-0

Reaction

10-formyltetrahydrofolate + NADP⁺ + H₂O = tetrahydrofolate + CO₂ + NADPH + H⁺

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.