

3,4-dihydroxyphenylalanine reductive deaminase

Cat. No. EXWM-5282

Lot. No. (See product label)

Introduction

Description

Forms part of the L-phenylalanine-catabolism pathway in the anoxygenic phototrophic bacterium *Rhodobacter sphaeroides* OU5. NADPH is oxidized more slowly than NADH.

Synonyms

reductive deaminase; DOPA-reductive deaminase; DOPARDA

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.3.1.22

Reaction

$\text{L-dopa} + \text{NADH} = 3,4\text{-dihydroxyphenylpropanoate} + \text{NAD}^+ + \text{NH}_3$

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.