

sepiapterin reductase (L-threo-7,8-dihydrobiopterin forming)

Cat. No. EXWM-0238

Lot. No. (See product label)

Introduction

Description

This enzyme, isolated from the bacterium *Chlorobium tepidum*, catalyses the final step in the de novo synthesis of tetrahydrobiopterin from GTP. cf. EC 1.1.1.153, sepiapterin reductase (L-erythro-7,8-dihydrobiopterin forming).

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.325

CAS No.

9059-48-7

Reaction

(1) L-threo-7,8-dihydrobiopterin + NADP⁺ = sepiapterin + NADPH + H⁺; (2) L-threo-tetrahydrobiopterin + 2 NADP⁺ = 6-pyruvoyl-5,6,7,8-tetrahydropterin + 2 NADPH + 2 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.