

bisanhydrobacterioruberin hydratase

Cat. No. EXWM-5002

Lot. No. (See product label)

Introduction

Description

The enzyme, isolated from the archaeon *Haloarcula japonica*, is involved in the biosynthesis of the C50 carotenoid bacterioruberin. In this pathway it catalyses the introduction of hydroxyl groups to C3'' and C3''' of bisanhydrobacterioruberin to generate bacterioruberin.

Synonyms

CruF; C50 carotenoid 2'',3''-hydratase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 4.2.1.161

Reaction

bacterioruberin = bisanhydrobacterioruberin + 2 H₂O (overall reaction); (1a)
bacterioruberin = monoanhydrobacterioruberin + H₂O; (1b)
monoanhydrobacterioruberin = bisanhydrobacterioruberin + 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.