Creative Enzymes®

carotenoid 1,2-hydratase

Cat. No. EXWM-4972

Lot. No. (See product label)

Introduction

Description	In Rubrivivax gelatinosus and Thiocapsa roseopersicina both products are formed, whereas Rhodobacter capsulatus only gives 1-hydroxy-1,2-dihydrolycopene. Also acts on neurosporene giving 1-hydroxy-1,2-dihydroneurosporene with both organism but 1,1'-dihydroxy-1,1',2,2'-tetrahydroneurosporene only with Rubrivivax gelatinosus.
Synonyms	CrtC

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.131
Reaction	(1) 1-hydroxy-1,2-dihydrolycopene = lycopene + H2O; (2) 1,1'-dihydroxy-1,1',2,2'-tetrahydrolycopene = 1-hydroxy-1,2-dihydrolycopene + 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 ℃.