Creative Enzymes®

muconate cycloisomerase

Cat. No. EXWM-5610

Lot. No. (See product label)

Introduction

Description	Requires Mn2+. Also acts (in the reverse reaction) on 3-methyl-cis,cis-muconate and, very slowly, on cis,trans-muconate. Not identical with EC 5.5.1.7 (chloromuconate cycloisomerase) or EC 5.5.1.11 (dichloromuconate cycloisomerase).
Synonyms	muconate cycloisomerase I; cis,cis-muconate-lactonizing enzyme; cis,cis-muconate cycloisomerase; muconate lactonizing enzyme; 4-carboxymethyl-4-hydroxyisocrotonolactone lyase (decyclizing); CatB; MCI; 2,5-dihydro-5-oxofuran-2-acetate lyase (decyclizing); 2,5-dihydro-5-oxofuran-2-acetate lyase (ring-opening)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.5.1.1
CAS No.	9023-72-7
Reaction	(+)-muconolactone = cis,cis-muconate
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 ℃.