Creative Enzymes®

dichloromuconate cycloisomerase

Cat. No. EXWM-5612

Lot. No. (See product label)

Introduction

Description	Requires Mn2+. The product of cycloisomerization of dichloro-cis,cis-muconate spontaneously eliminates chloride to produce cis-4-carboxymethylene-3-chlorobut-2-en-4-olide. Also acts, in the reverse direction, on cis,cis-muconate and its monochloro-derivatives, but with lower affinity. Not identical with EC 5.5.1.1 (muconate cycloisomerase) or EC 5.5.1.7 (chloromuconate cycloisomerase).
Synonyms	2,4-dichloro-2,5-dihydro-5-oxofuran-2-acetate lyase (decyclizing)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 5.5.1.11
CAS No.	126904-95-8
Reaction	2,4-dichloro-2,5-dihydro-5-oxofuran-2-acetate = 2,4-dichloro-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 ℃.