Creative Enzymes®

monoterpene ε-lactone hydrolase

Cat. No. EXWM-3512

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the ring opening of ε-lactones which are formed during degradation of dihydrocarveol by the Gram-positive bacterium Rhodococcus erythropolis DCL14. The enzyme also acts on ethyl caproate, indicating that it is an esterase with a preference for lactones (internal cyclic esters). The enzyme is not stereoselective.
Synonyms	MLH

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.83
Reaction	(1) isoprop(en)ylmethyloxepan-2-one + H2O = 6-hydroxyisoprop(en)ylmethylhexanoate (general reaction); (2) 4-isopropenyl-7-methyloxepan-2-one + H2O = 6-hydroxy-3-isopropenylheptanoate; (3) 7-isopropyl-4-methyloxepan-2-one + H2O = 6-hydroxy-3,7-dimethyloctanoate
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 ℃.