

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.