Creative Enzymes®

isoprene-epoxide-glutathione S-transferase

Cat. No. EXWM-5337

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the bacterium Rhodococcus sp. AD45, is involved in isoprene degradation. The enzyme can catalyse the glutathione-dependent ring opening of various epoxides, but the highest activity is with (3R)-3,4-epoxy-3-methylbut-1-ene, which is derived from isoprene by EC 1.14.13.69, alkene monooxygenase.
Synonyms	isoI (gene name)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.4.1.34
Reaction	2-(glutathion-S-yl)-2-methylbut-3-en-1-ol = (3R)-3,4-epoxy-3-methylbut-1-ene + glutathione
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 ℃.