Creative Enzymes®

2-haloacid dehalogenase (configuration-retaining)

Cat. No. EXWM-4741

Lot. No. (See product label)

Introduction

Description	Dehalogenates both (S)- and (R)-2-haloalkanoic acids to the corresponding (S)- and (R)-hydroxyalkanoic acids, respectively, with retention of configuration at C-2. [See also EC 3.8.1.2 (S)-2-haloacid dehalogenase, EC 3.8.1.9 (R)-2-haloacid dehalogenase and EC 3.8.1.10 2-haloacid dehalogenase (configuration-inverting)]
Synonyms	2-haloalkanoic acid dehalogenase; 2-haloalkanoid acid halidohydrolase; DL-2-haloacid dehalogenase; DL-DEXr

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.8.1.11
Reaction	(1) (S)-2-haloacid + H2O = (S)-2-hydroxyacid + halide; (2) (R)-2-haloacid + H2O = (R)-2-hydroxyacid + halide
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 ℃.