

peroxyureidoacrylate/ureidoacrylate amidohydrolase

Cat. No. EXWM-4390

Lot. No. (See product label)

Introduction

Description The enzyme also shows activity towards ureidoacrylate. Part of the Rut pyrimidine catabolic pathway.

Synonyms RutB

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.5.1.110

Reaction (1) (Z)-3-ureidoacrylate peracid + H₂O = (Z)-3-peroxyaminoacrylate + CO₂ + NH₃ (overall reaction); (1a) (Z)-3-ureidoacrylate peracid + H₂O = (Z)-3-peroxyaminoacrylate + carbamate; (1b) carbamate = CO₂ + NH₃ (spontaneous); (2) (Z)-2-methylureidoacrylate peracid + H₂O = (Z)-2-methylperoxyaminoacrylate + CO₂ + NH₃ (overall reaction); (2a) (Z)-2-methylureidoacrylate peracid + H₂O = (Z)-2-methylperoxyaminoacrylate + carbamate; (2b) carbamate = CO₂ + NH₃ (spontaneous)

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.