

biuret amidohydrolase

Cat. No. EXWM-4475

Lot. No. (See product label)

Introduction

Description

Along with EC 3.5.2.15 (cyanuric acid amidohydrolase) and EC 3.5.1.54 (allophanate hydrolase), this enzyme forms part of the cyanuric-acid metabolism pathway, which degrades s-triazide herbicides, such as atrazine [2-chloro-4-(ethylamino)-6-(isopropylamino)-1,3,5-triazine], in bacteria. Urea-1-carboxylate rather than urea (as was thought previously) is the 2-nitrogen intermediate in cyanuric-acid metabolism in bacteria. The product, urea-1-carboxylate, can spontaneously decarboxylate under acidic conditions to form urea but, under physiological conditions, it can be converted into CO₂ and ammonia by the action of EC 3.5.1.54.

Product Information

Form Liquid or lyophilized powder

EC Number EC 3.5.1.84

CAS No. 95567-88-7

Reaction biuret + H₂O = urea-1-carboxylate + NH₃

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.