Creative Enzymes®

phthalyl amidase

Cat. No. EXWM-4470

Lot. No. (See product label)

Introduction

Description	In the entry, "phthalyl" is used to mean "2-carboxybenzoyl". The enzyme from Xanthobacter agilis hydrolyses phthalylated amino acids, peptides, β-lactams, aromatic and aliphatic amines. The substituent on nitrogen may be an alkyl group, but may also be complex, giving an amino acid or peptide derivative. Substitutions on the phthalyl ring include 6-F, 6-NH2, 3-OH, and a nitrogen in the aromatic ring ortho to the carboxy group attached to the amine. No cofactors are required

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.1.79
CAS No.	169150-79-2
Reaction	a phthalylamide + H2O = phthalic acid + a substituted amine
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 ℃.