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Product Datasheet

Native Crotalus adamanteus L-Amino Acid Oxidase, CAS [[9000-89-9]] CRM-NATE-0366

Article Name	Native Crotalus adamanteus L-Amino Acid Oxidase, CAS [[9000-89-9]]
Biozol Catalog Number	CRM-NATE-0366
Supplier Catalog Number	NATE-0366
Alternative Catalog Number	CRM-NATE-0366-2
Manufacturer	Creative BioMart
Category	Biochemikalien
Product Description	In enzymology, an L-amino acid oxidase (LAAO) (EC 1.4.3.2) is an enzyme that catalyzes the chemical reaction: an L-amino acid + H ₂ O + O ₂ → a 2-oxo acid + NH ₃ + H ₂ O ₂ . The enzyme was first described in 1944 by A. Zeller and A. Maritz. Not only are LAAOs q...
Concentration	>4 units per mg protein
CAS Number	[9000-89-9]
Application Notes	L-amino acid oxidase (LAAO) is used to convert L-amino acids to their corresponding alpha-keto acids. One unit will oxidatively deaminate 1.0 µmole of L-phenylalanine per min at pH 6.5 at 37 °C. L-amino acid oxidase, from Creative Enzymes, has been used in leucine aminopeptidase (LAP) activity assays. The enzyme has been immobilized and used in an enzymatic flow-injection procedure with chemiluminescence detection for on-site determination of L-alanine