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## Product Datasheet

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

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|--------------------------|---|
| Artikelname              | Native Crotalus adamanteus L-Amino Acid Oxidase, CAS [[9000-89-9]]  |
| Artikelnummer            | CRM-NATE-0366   |
| Hersteller Artikelnummer | NATE-0366   |
| Alternativnummer         | CRM-NATE-0366-2   |
| Hersteller               | Creative BioMart  |
| Kategorie                | Biochemikalien  |
| Produktbeschreibung      | 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 <sub>2</sub> O + O <sub>2</sub> a 2-oxo acid + NH <sub>3</sub> + H <sub>2</sub> O <sub>2</sub> . The enzyme was first described in 1944 by A. Zeller and A. Maritz. Not only are LAAOs q...  |
| Konzentration            | >4 units per mg protein   |
| CAS Nummer               | [9000-89-9]   |
| Anwendungsbeschreibung   | 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 oc. 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 pr ocedure with chemiluminescence detection for on-site determination of L-alanine |