

Native Bovine L-Arginase

Cat. No. NATE-0379

Lot. No. (See product label)

Introduction

Description

Arginase (EC 3.5.3.1, arginine amidinase, canavanase, L-arginase, arginine transamidinase) is a manganese-containing enzyme. The reaction catalyzed by this enzyme is: arginine + H₂O → ornithine + urea. It is the final enzyme of the urea cycle. It is ubiquitous to all domains of life.

Synonyms

Arginase; arginine amidinase; canavanase; L-arginase; arginine transamidinase; EC 3.5.3.1

Product Information

Species

Bovine

Source

Bovine liver

Form

powder

EC Number

EC 3.5.3.1

CAS No.

9000-96-8

Purity

Protein > 70 % by biuret

Pathway

Amoebiasis, conserved biosystem; Biosynthesis of amino acids, organism-specific biosystem; Metabolism, organism-specific biosystem

Function

arginase activity; metal ion binding

Unit Definition

One unit will cause the hydrolysis of 1.0 μmole of L-arginine per minute at pH 9.5 and 37°C.

Storage and Shipping Information

Storage

−20°C