2-amino-3-carboxymuconate semialdehyde => 2-aminomuconate semialdehyde + CO2

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Introduction

Reactome is open-source, open access, manually curated and peer-reviewed pathway database. Pathway annotations are authored by expert biologists, in collaboration with Reactome editorial staff and cross-referenced to many bioinformatics databases. A system of evidence tracking ensures that all assertions are backed up by the primary literature. Reactome is used by clinicians, geneticists, genomics researchers, and molecular biologists to interpret the results of high-throughput experimental studies, by bioinformaticians seeking to develop novel algorithms for mining knowledge from genomic studies, and by systems biologists building predictive models of normal and disease variant pathways.

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Literature references


Reactome database release: 73

This document contains 1 reaction (see Table of Contents)
2-amino-3-carboxymuconate semialdehyde $\rightarrow$ 2-aminomuconate semialdehyde + CO2

**Stable identifier:** R-HSA-71223

**Type:** transition

**Compartments:** cytosol

**Inferred from:** 2-amino-3-carboxymuconate semialdehyde $\rightarrow$ 2-aminomuconate semialdehyde + CO2 [rat] (Rattus norvegicus)

At the beginning of this reaction, 1 molecule of '2-Amino-3-carboxymuconate semialdehyde' is present. At the end of this reaction, 1 molecule of 'CO2', and 1 molecule of '2-Aminomuconate semialdehyde' are present.

This reaction takes place in the 'cytoplasm' and is mediated by the 'carboxy-lyase activity' of '2-amino-3-carboxymuconate-6-semialdehyde decarboxylase homodimer'.

**Literature references**


**Editions**

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