

Aldose-Ketose Isomerases

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- [N-acetylglucosamine utilization by Saccharomyces cerevisiae based on expression of Candida albicans NAG genes.](#)
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- [Genomic organization and biochemistry of the ribulose monophosphate pathway and its application in biotechnology.](#)
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- [The mechanism of the reaction catalyzed by uronate isomerase illustrates how an isomerase may have evolved from a hydrolase within the amidohydrolase superfamily.](#)
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- [Structure prediction and functional analysis of KdsD, an enzyme involved in lipopolysaccharide biosynthesis.](#)
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Dipartimento di Biotechnologie e Bioscienze, Piazza della Scienza 2,- Biochem Biophys Res Commun. 2009 Oct 16;388(2):222-7. Epub 2009 Aug 5. ([DOI Direct Link](#))

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Laboratory of Prokaryotic Enzymes and Metabolites, Centre of Biotechnology- J Biomed Biotechnol. 2009;2009:464986. Epub 2009 Jun 15. ([DOI Direct Link](#))
- [Effects of acetic acid on the kinetics of xylose fermentation by an engineered, xylose-isomerase-based Saccharomyces cerevisiae strain.](#)
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- [Separation of amino acids in glucose isomerase crystal: insight from molecular dynamics simulations.](#)
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- [Rational design of Bacillus stearothermophilus US100 L-arabinose isomerase: potential applications for D-tagatose production.](#)
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- [Competitive inhibitors of type B ribose 5-phosphate isomerases: design, synthesis and kinetic evaluation of new D-allose and D-allulose 6-phosphate derivatives.](#)
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