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Zuschläge

- Mindermengenzuschlag
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Glucose isomerase

Cat. No.:	HY-E70308
CAS No.:	9055-00-9
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

Glucose isomerase

BIOLOGICAL ACTIVITY

Description

Glucose isomerase is a glucose isomerase that catalyzes the reversible isomerization of D-glucose and D-xylose into D-fructose and D-xylulose, respectively. Glucose isomerase is thermally stable and can be used to produce fructose syrup at high temperatures above 90°C. Glucose isomerase is widely distributed in prokaryotes^{[1][2]}.

REFERENCES

[1]. Bhosale SH, et al. Molecular and industrial aspects of glucose isomerase. Microbiol Rev. 1996 Jun;60(2):280-300.

[2]. Hartley BS, et al. Glucose isomerase: insights into protein engineering for increased thermostability. Biochim Biophys Acta. 2000 Dec 29;1543(2):294-335.

Caution: Product has not been fully validated for medical applications. For research use only.

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