Accepted Manuscript

D-Allulose, a stereoisomer of D-fructose, extends *Caenorhabditis elegans* lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic

Tomoya Shintani, Hirofumi Sakoguchi, Akihide Yoshihara, Ken Izumori, Masashi Sato

Biochemical and Biophysical Research Communications

PII: S0006-291X(17)31928-9

DOI: 10.1016/j.bbrc.2017.09.147

Reference: YBBRC 38592

To appear in: Biochemical and Biophysical Research Communications

Received Date: 15 September 2017

Accepted Date: 26 September 2017

Please cite this article as: T. Shintani, H. Sakoguchi, A. Yoshihara, K. Izumori, M. Sato, D-Allulose, a stereoisomer of D-fructose, extends *Caenorhabditis elegans* lifespan through a dietary restriction mechanism: A new candidate dietary restriction mimetic, *Biochemical and Biophysical Research Communications* (2017), doi: 10.1016/j.bbrc.2017.09.147.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Biochemical and Biophysical Research Communications

D-Allulose, a stereoisomer of D-fructose, extends Caenorhabditis elegans lifespan through a dietary

restriction mechanism: A new candidate dietary restriction mimetic

Tomoya Shintani ^a, Hirofumi Sakoguchi ^b, Akihide Yoshihara ^c, Ken Izumori ^c, Masashi Sato ^{b, *}

^a Research & Development, Matsutani Chemical Industry Co Ltd, Itami, Hyogo 664-8508, Japan

^b Department of Applied Biological Science, Faculty of Agriculture, Kagawa University, Miki,

Kagawa 761-0795, Japan

^c International Institute for Rare Sugar Research and Education, Kagawa University, Miki, Kagawa

761-0795, Japan

Abbreviations: AMP, Adenosine 5'-monophosphate; NAD, nicotinamide adenine dinucleotide

*Corresponding author.

E-mail address: sato@ag.kagawa-u.ac.jp

1

Download English Version:

https://daneshyari.com/en/article/5504554

Download Persian Version:

https://daneshyari.com/article/5504554

<u>Daneshyari.com</u>