

Garlic chemical tablet treats diabetes I and II orally

November 19 2008

(PhysOrg.com) -- A drug based on a chemical found in garlic can treat diabetes types I and II when taken as a tablet, a study in the new Royal Society of Chemistry journal *Metallomics* says.

When Hiromu Sakurai and colleagues from the Suzuka University of Medical Science, Japan, gave the drug orally to type I diabetic mice, they found it reduced blood glucose levels.

The drug is based on vanadium and allaxin, a compound found in garlic, and its action described in an Advance Article from *Metallomics* available free online from today. The first issue of the new journal will be published in 2009.

In previous work they had discovered the vanadium-allaxin compound treated both diabetes types when injected, but this new study shows the drug has promise as an oral treatment for the disease.

Type I diabetes (insulin dependent) is currently treated with daily injections of insulin, while type II (non-insulin dependent) is treated with drugs bearing undesirable side-effects – the authors note neither treatment is ideal.

The researchers aim to test the drug in humans in future work.

Original article: Makoto Hiromura, *Metallomics*, 2009, DOI: 10.1039/b815384c

www.rsc.org/Publishing/Journal...cle.asp?doi=b815384c

Provided by Royal Society of Chemistry

Citation: Garlic chemical tablet treats diabetes I and II orally (2008, November 19) retrieved 3 May 2024 from <https://phys.org/news/2008-11-garlic-chemical-tablet-diabetes-ii.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.