

# Spinach extract could help prevent obesity, study shows

10 March 2014

---

A natural compound hidden away in spinach has been shown to reduce food cravings between meals and could help prevent obesity, a Swedish scientist said on Monday.

Charlotte Erlanson-Albertsson, a professor of appetite regulation at Lund University, found the compound, known as thylakoid, while looking for ways to slow digestion and alleviate hunger pangs.

The compound functions differently to processed foods, which tend to be digested only in the upper intestine.

This prevents key hormones that make us feel full from being released to the brain, according to a statement from the university.

"I like to say our intestines are unemployed," Erlanson-Albertsson said.

A test group of 15 people who took the compound every morning reported that it had become easier to resist the temptation to eat between meals.

Erlanson-Albertsson discovered the compound after speaking to her husband, a scientist researching photosynthesis.

He steered her in the direction of thylakoids, a compound in green leaves believed to slow down fat digestion, meaning the whole intestine has time to get involved, the university said.

But eating spinach itself is not enough. It has to be crushed, filtrated and passed through a centrifuge, freeing the thylakoids from the plant's cells.

"Our bodies can't break it down from fresh [spinach](#) directly," the university said.

© 2014 AFP

APA citation: Spinach extract could help prevent obesity, study shows (2014, March 10) retrieved 30 October 2020 from <https://medicalxpress.com/news/2014-03-spinach-obesity.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.*