

# Scientists Say THCV Could Treat Nausea Without Getting You High



*THCV in marijuana may provide relief from nausea without psychoactive effects*

TruthOnPot.com – Researchers out of Canada say that a chemical in marijuana called tetrahydrocannabivarin (THCV) may be able to treat nausea. And it may be able to do so without getting you high.

Erin Rock, one of the investigators from the University of Guelph’s Neuroscience and Applied Cognitive Science lab, explained her newest findings to us in an email.

“These findings indicate that while THC may be more potent than THCV in reducing nausea, because of its psychoactive properties, THCV may be a more desirable therapeutic option.”

The study was published last month in the [British Journal of Pharmacology](#).

The team decided to investigate the effects of two chemicals in marijuana, THCV and CBDV, in rat models of nausea. THCV and CBDV are closely related to THC and CBD, but are thought to interact with the body in different ways.

Interestingly, while [THCV has been shown to produce an opposite effect of THC in diabetes models](#), the latest study shows that it mimics the effect of THC when it comes to treating nausea.

These opposite actions are difficult to explain even for researchers, who are still unsure whether THCV activates biological pathways related to marijuana (the endocannabinoid system) or deactivates them.

However, it does offer the promise of different marijuana-based treatments that are devoid of a high – both for diabetes and nausea.

What's more, it has led the University of Guelph team to take a look at other chemicals in marijuana and whether they might hold similar benefits.

Erin says that their next study will involve CBDA and THCA, which are another set of non-psychoactive chemicals produced by the cannabis plant.

“Further research is planned to follow up our other new findings with CBDA and THCA in these nausea models.”

CBDA and THCA are the acidic precursors of CBD and THC and are present in high concentrations in raw cannabis.

*The study was funded by G.W. Pharmaceuticals and the Natural Sciences and Engineering Research Council of Canada.*