

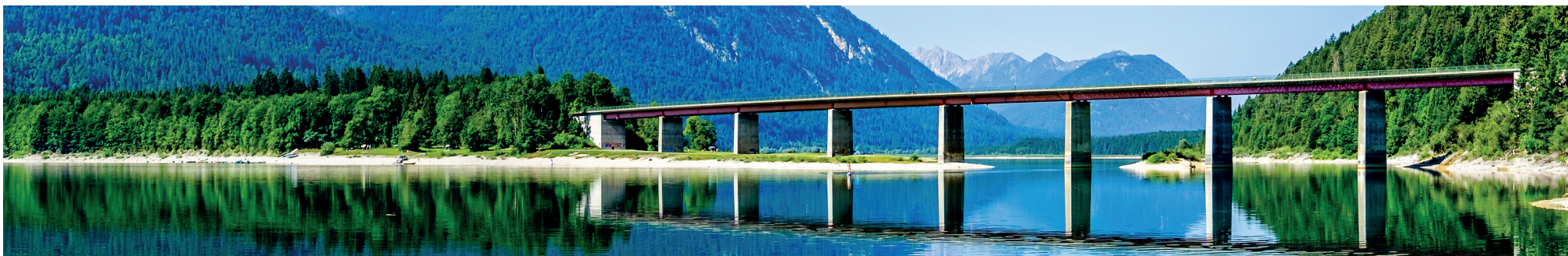
aXICHEM

Company brochure



We added to nature

aXivite® – pure efficiency



The innovative bridge between nature and a healthier life

NOVEL FOOD
IN EU

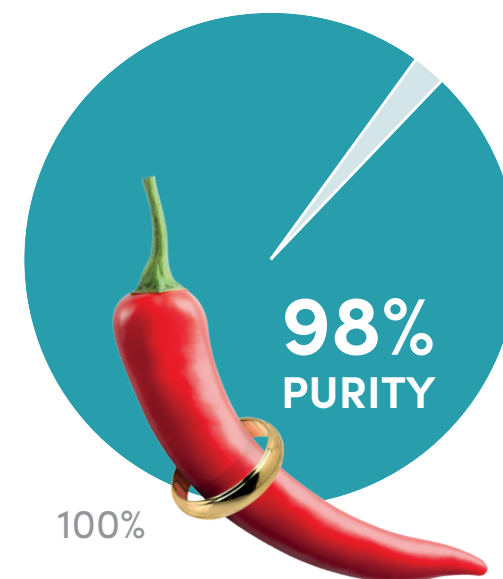
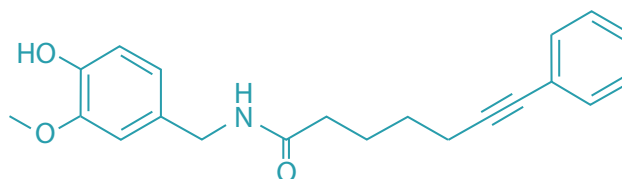
GRAS
IN US

The health benefits of chili with its active ingredient capsaicin has been known for centuries. But chili is also known for being hot and not so easily consumed. aXichem's Phenylcapsaicin combines the naturally occurring phenyl group with capsaicin, bridged by a triple bond, resulting in an innovative natural analogue capsaicin with high purity, where the pungency is greatly reduced.

Innovative Phenylcapsaicin adds to nature. Ecology and nature meets science to create a healthier, safer and more sustainable life. Available for humans with aXivite® and animal feed with aXiphen-feed®. Authorised in Europe as a Novel Food under the Novel Food legislation and as GRAS Food in US. Target specific authorisations are continuously in progress.

Phenylcapsaicin – great potential with pure benefits

- **Safety** - stable and easy to handle
- **Purity** - suited for industrial production
- **High potency** - high uptake, low dosage



aXivite® – pure efficiency for improved health

aXivite® is an innovative natural analogue capsaicin solution for a wide range of dietary health applications. Capsaicin is well established in science, for use in weight control products and in applications to promote good gut health. The result of extensive research, aXivite® has proven positive health benefits for improving human health in line with nature. Its purity and concentration are exceptional, making it reliable and efficient for high volume industrial production. The unique microencapsulation of the active ingredient at 1% concentration, also offers an easy to handle dietary supplement which can be further developed into a finished product.



aXivite® – improved gut health and weight control

Studies¹ show that capsaicin consumption has proved to reduce body weight and has the potential to treat obesity. Recognised as a bioenhancer, its bioavailability is up to 8 times higher than natural capsaicin. aXivite® can be used in a variety of new applications as well as a more effective and safer alternative to naturally extracted capsaicin.

¹Pharmacokinetic Study Following o.d and b.i.d Oral Dosing of Phenylcapsaicin to Healthy Human Subjects – A comparative study on the relative uptake of Capsaicin, Phenylcapsaicin and Curcumin in single and combination formulations using a Caco-2 invitro cell assay.

Benefits of aXivite®

- Higher bioavailability
- Less pungent
- Safe for long time use
- Increase and boost metabolism
- Weight control
- Bioenhancer
- Gut health
- Pain relief



aXichem is an innovative Swedish biotechnology company specialising in the development of natural analogue ingredients. aXichem's product is a natural analogue substance, Phenyl-capsaicin, which is a synthetic developed and patented capsaicin. Since it is developed synthetically, it has several advantages compared to natural capsaicin, such as controllable quality and production process. The product is suited for a number of different areas, such as nutraceuticals and animal feed.

aXichem - pure health in line with nature

aXichem