

BROCCOLI EXTRACT AND POWDER

For more than 20 years, the bacterium Helicobacter pylori has been known as one of the main causes of gastric ulcers and stomach cancer. In some regions

of Central and South America, Africa and Asia some 80 to 90 per cent of the population have already been infected with this pathogen, and also in Europe Helicobacter is widely spread.

In many cases a strong combination of different antibiotics („antibiotic cocktail“) can reduce the number of pathogens and the risk of subsequent diseases.

Sulforaphane, a component found in broccoli and its shoots, has been found to eliminate these bacteria which are the leading cause for the majority of stomach diseases. Studies could prove that pure Sulforaphane even killed Helicobacter bacteria that had become resistant against some frequently applied antibiotics. Although Sulforaphane and its antibiotic qualities were partially known before, this effect was a pleasant surprise for the researchers. During the application of Sulforaphane, it was also discovered that

it made no difference, if the pathogen was within or outside of the cells; this is a common problem in getting an infection completely under control. Originally, Sulforaphane had been isolated from broccoli because of its cell-protective qualities.

Sulforaphane increases the endogenous production of „phase 2“-enzymes, a family of proteins which is capable to neutralize certain carcinogenic substances and free radicals.

So far, it is known that pure Sulforaphane fights chemically induced stomach diseases successfully in animal models. Further studies are required to find out if this effect can be achieved for stomach cancer caused by Helicobacter, too. Furthermore, future clinical tests will have to verify, how far the consumption of vegetables, rich in Sulforaphane, like broccoli, can prevent or ease an infection with this pathogen.

Today, broccoli powder and broccoli extract, standardized to the Sulforaphane content, are gentle and reasonably priced natural alternatives for expensive therapies with strong antibiotics.“

Please contact us for further information.

Responsible for contents and publishing:
Eurochem Feinchemie GmbH
Oliver Schulz

Industriestr. 35a,
D - 82194 Gröbenzell
info@eurochem-feinchemie.com



Broccoli and Broccoli sprouts are rich in Sulforaphane.