EpitheFood™

SHORT-CHAIN & MEDIUM-CHAIN FATTY ACIDS MADE AVAILABLE FOR THE GUT MICROBIOME AND THE COLONOCYTES

What is Epithefood™?

EpitheFood™ delivers different short-chain (SCFAs) and mediumchain (MCFAs) fatty acids into the colon.

These fatty acids are offered as mono-, di- and triglycerides. These glycerides of fatty acids are broken down by the enzymes of the microbiome into fatty acids.

The glycerides of EpitheFood™ mostly arrive in the ileum and colon.

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GUT PROBLEMS : WHY EPITHEFOOD® IS THE SOLUTION.

Epithefood is food for the epithelium cells of the colon or the colonocytes.

WHAT ARE GUT PROBLEMS?

pain
peptic
gastroenteritis
gallstones
acid
ulcerative
syndrome
irritable
colitis
ibs
reflux
crohn's
diarrhea
disease
constipation
bowel
spasms
ulcers

ROOT CAUSES OF GUT PROBLEMS.

1) The bacterial flora of your colon is disturbed.

- It causes irritation (inflammation) for the colon wall cells.
- Nerve cells signal pain.
- The immune system slows down or overreacts.
- The mucus which protects the colon wall gets damaged.
- The colon content (!) leaks into the blood.
- Your body is poisoned, weak and tired.

2) How is the microbiome (bacterial flora) getting disturbed ?

food
digestive stress
environmental
antibiotics
dietary
intolerances
infections
lifestyle
dysbiosis
genetics
medication
disorders
chemotherapy

ONLY YOUR OWN BODY CAN SOLVE THESE PROBLEMS ... WITH A LITTLE HELP OF A FRIEND.

BUTYRIC ACID

IS YOUR FRIEND.

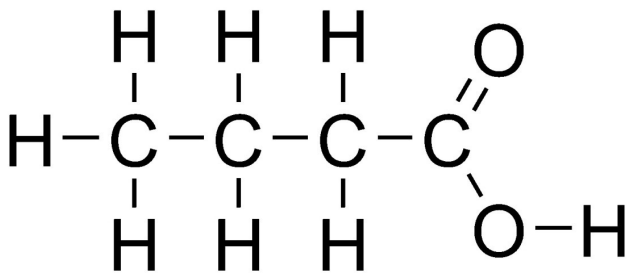
Butyric acid serves as a pivotal regulator of gut metabolism. Typically, it is generated by the bacterial flora within the colon. However, disruptions in the bacterial flora, often associated with gut issues, can lead to a deficiency of butyric acid.

Functioning as a transcription factor, butyric acid plays a crucial role in determining the production of proteins and enzymes by colonocytes and epithelial cells in the colon. Similarly, certain bacteria respond to signals to produce enzymes that synthesize butyric acid from dietary fibers present in stools.

Given its role as a catalyst in cellular and bacterial activation, only minimal quantities of butyric acid are required. However, reaching the colon in sufficient amounts poses a challenge, as the body's demand for butyric acid depletes it before it reaches the colon. Notably, Epithefood addresses this issue by providing a protective coating for butyric acid, ensuring its safe passage to the colon. Subsequently, bacterial lipases break down this protective coating, making butyric acid readily available.

Epithefood® TRANSPORTS BUTYRIC ACID SAFELY INTO THE COLON.

Butyric acid normally never makes it to the colon.



If taken orally, butyric acid never makes it into the colon. The body absorbs it immediately in the small intestine. This is made possible by our pancreatic lipases who **break down triglycerides of butyric acid** to get the butyric acid into the body before it gets into the colon. It is a fight that cannot be won. **Epithefood® is not vulnerable to our own pancreatic lipases and does not suffer from these fights.** Hence the butyric acid gets safely into the colon.

Epithefood® IS THE WINNER

IN THE RACE TO GUT HEALTH.

The secret of Epithefood® is the design of the triglyceride which contains the butyric acid.

Butyric acid is almost not produced in the colon of patients with gut problems. Here we offer a solution for that.

Butyric acid is immediately stimulating the production of enzymes which will produce more butyric acid. This engages a chain reaction for the cells to take back control. The immune system is restored and bad bacteria are getting suppressed.

In a few days the patient feels a lot better. The epithelium of the colon is restored, as well as the mucus layer which protects it.
GONE THE SUFFERING.

STUDIES :

Effects of interesterified lipid design on the short/ medium chain fatty acid hydrolysis rate and extent (in vitro)†
Simone Acquistapace,a Leena Patel,b Amaury Patin,c Elizabeth Forbes-Blom,d Bernard Cuenoude and Tim J. Wooster *a

Short Chain Fatty Acids (SCFA) Reprogram Gene Expression in Human Malignant Epithelial and Lymphoid Cells
Lidiia Astakhova1,3, Mtakai Ngara2, Olga Babich1, Aleksandr Prosekov1, Lyudmila Asyakina1, Lyubov Dyshlyuk1, Tore Midtvedt3, Xiaoying Zhou3, Ingemar Ernberg3*, Liudmila Matskova3
1 Institute of Food Science and Technology, Kemerovo, Russia, 2 Department of Cell and Molecular Biology (CMB), Ludwig Institute for Cancer Research (LICR), Karolinska Institutet, Stockholm, Sweden,
3 Department of Microbiology, Tumor and Cell Biology (MTC), Karolinska Institutet, Stockholm, Sweden

Epithefood® DOSAGE :
Soft gel : 0,5-1 g a day.
Powder : 0,7 – 1,5 g per day.