NoMetfor®

Antiglycant, Deglycant and Anti-AGE.
NOMETFOR®

Antiglycant, deglycant and anti-AGE.

- Inhibition of the existing synergy between glycation and oxidation reactions;
- Block of scavenging propagators (glucose, glyoxal, ...), preventing build-up of AGEs;
- Lipid peroxidation inhibition;
- Metal ions chelation;
- Anti-aging skin treatment.

INGREDIENTS

1 capsule: Glycoless® (Carcinine dihydrochloride) 200mg, Lithotame – Lithothamnion calcarium Areschoug (thallus) powder 200mg, Magnesium stearate 2mg, Chromium picolinate 1,66mg, vegetable jelly capsule (E 171).

HOW DOES IT WORK?

INITIAL SITUATION

Proteins

\( \text{Glucose} \)

\( \text{Combination of glucose and proteins. (C=N)} \)

Shiff base

Glycosylamine

Unstable precursor of glycosylated proteins.

Ketamine

originated from the rearrangement of glycosylamines.

NoMetfor® REACTION

RESULT

Glycoless® anti-glycation

Prevention of bonding and inhibition of Maillard reaction

Glycoless® deglycation

Protein release through the glucose (scavenger function)
USE OF THE PRODUCT

- Internal medicine: metabolic syndrome - diabetic complications - obesity
- Gynecology: polycystic ovary syndrome (PCOS)
- Dermatology: anti-aging (24th World Congress of Dermatology – Milan 2019: Carcinine publication)

FOOD SUPPLEMENT CONTAINING CARCININE

CARCININE is more stable than Carnosine, it’s not attacked by the carnosina-se enzyme, and is not converted to histidine. Quickly assimilated, it can resist to the gastric pH and to cutaneous, serum and tissue peptidades. It lasts a long time in the body, allowing to increase the efficacy against GLYCATION.

HOW TO USE

1 capsule to take in the morning on an empty stomach.
GLYCATION

NON enzymatic reaction of ANOMALOUS cross-links between proteins and glucose.

If a GLYCATION get out of control, it produces AGE Glycation End products

AGE: OXYDATIVE glycotoxins which cause oxidative stress, insulin resistance, thrombus genesis, vascular inflammation (phlogosis), anomalous angiogenesis...

BIBLIOGRAPHY

1. "The role of carcinine treatment on glycolipid imbalance of overweight and obese woman", Palmieri B., Pepe V., Simas L.a.w., Granzoti R., Novak B., Wolpe R.e., Zilbert B., Yamaguchi E.m., Vadala M., Department of General Surgery and Surgical Specialties, University of Modena and Reggio Emilia Medical School, Surgical Clinic.

2. "A suplementação de carcínina e sua implicação na glicemia de jejum, hemoglobina glicada, insulina, frutosamina e perfil lipídico em mulheres com sobrepeso e obesidade: um ensaio clínico randomizado duplo-cego controlado por placebo". Simas, I.A.W.; Novak, b; wolpe, r.e.; Zilbert, b.; Yamaguchi, e.M.

3. "L-Carnosine (L-alanyl-L-histidine) and carcinine f-alanylhistamine) act as natural antioxidants with hydroxyl-radical-scavenging and lipid-peroxidase activities", Mark A. Babizhayev, Marie-Christine Seguin, Jean Gueynej, Rima P. Evstigneeva, Elena A. Ageyeva and Galina A. Zheltukhina, Moscow Helmholtz Research Institute of Eye Diseases, Russia, and IM.V. Lomonosov Institute of Fine Chemical Technology, Russia, Exsymol S.A.M., Monaco, Principauté de Monaco.

4. "Carcinine Has 4-Hydroxynonenal Scavenging Property and Neuroprotective Effect in Mouse Retina", Lea D. Marchette, Huaiwen Wang, Feng Li, Mark A. Babizhayev, Anne Kasus-Jacobi, Departments of Ophthalmology, Molecular Biology Proteomics Facility, and Pharmaceutical Sciences, University of Oklahoma Health Sciences Center, Oklahoma City, Oklahoma.

5. "Investigating Carcinine Transport and the Expression Profile of Transporter Genes in Human Corneal Epithelial Cells", Studies on the Cornea and Lens, pp 131-144, Anne Kasus-Jacobi (Department of Pharmaceutical Sciences and Oklahoma Center for Neuroscience), Vibudhuta Awasthi (Department of Pharmaceutical Sciences, University of Oklahoma Health Sciences), Mark A. Babizhayev (Innovative Vision Products Inc., Moscow, Russia), H. Anne Pereira (Departments of Pharmaceutical Sciences, Pathology, and Cell Biology and Oklahoma Center for Neurosciences, University of Oklahoma Health Sciences Center, Oklahoma City, USA)

