MONTIFF’S COMMITMENT TO QUALITY AND EXCELLENCE

Montiff Products are proudly manufactured in a GMP/NSF certified facility in the USA.

Each batch of our raw material undergoes extensive testing in order to ensure premium quality professional grade amino acids.

OUR EXPERTISE

President and Founder Don Tyson was the first person to introduce oral amino acid application to the United States.

Our employees have over 80 years of combined experience in the amino acid field.

Take comfort in knowing that when purchasing Montiff products, you are purchasing from the best.

*DThis product is not recommended for individuals with GERDS (Acid Reflux), please call if you need further assistance with this product.

*These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.
BENEFITS OF MONTIFF’S AMINO STARTER
Recommended for Enhancing Structure & Function Related to Nutritional Needs and Deficiencies Pertaining to:

- Helping to maintain proper gastrointestinal function
- Aid in the repair of Mucosa
- Helping to maintain muscle mass
- Stimulating muscle protein
- Helping to improve immune functions
- Helping to maintain and protect liver function. i.e., synthesis of glutathione
- Helping in the regeneration of the liver
- Helping to permit a reduction in the length of hospital stays
- Helping in the suppression of hypoglycemia in patients with insulin-dependent diabetes mellitus – (IDDM)
- Helps reduce endotoxin levels in portal blood, i.e. effective in preventing bacterial translocation by maintaining the intestinal immune function.

ABSORPTION
It has been demonstrated that Amino Acids are absorbed from the intestine by either the Amino Acid Transport or Di-Tri-Amino Acid Transport Systems. (Reference Amino Acids: Metabolism and Medical Application. Boston: John Wright, 1983).

GLUCONEOGENESIS AND LOW BLOOD SUGAR
Glutamine is a regulator of protein, fatty acid, and glycogen metabolism. Alanine and Glutamine are the primary glycogenic amino acids that regulate gluconeogenesis (carbohydrate/sugar formation) in the liver.

INTESTINAL HEALTH
Two thirds of Glutamine is metabolized and utilized in the mucosal cells of the small intestine, which is why it is so important in maintaining proper gastrointestinal function. It promotes intestinal healing and may have beneficial results in patients with gastrointestinal disorders.

IMMUNE SYSTEM
Glutamine is necessary for the function of immunocompetent cells, and enhances the immunity of the intestinal mucosa. It is the precursor to Glutathione, a powerful antioxidant with detoxification properties, which enhances the immune protective system of cells.

GLUTAMINE AND NEUROLOGICAL HEALTH
Glutamine crosses the blood brain barrier and is the precursor to Glutamate and Glutamic acid, which are excitatory neurotransmitters. It is also a precursor for GABA, which acts as an inhibitory transmitter, which induces a calming effect.

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Glutamic acid, along with Glutamate, provides glucose to provide energy for brain cells, which requires 75% of the available glucose in the body for its energy source to maintain normal brain metabolism.

**IMPROVEMENT OF THE METABOLIC SYSTEMS (STIMULATION OF PROTEIN SYNTHESIS AND IMPROVEMENT OF NITROGEN BALANCE)**

Under conditions such as stress, fasting, surgery, traumatic injury, or sepsis, increased degradation of proteins (mainly skeletal muscle proteins) tips the nitrogen balance in the negative direction. This negative nitrogen balance results in a rapid and marked decrease in muscle concentrations of glutamine: this is a characteristic of such stress conditions. ALa-GLn has been reported to be effective in preventing a change in nitrogen metabolism under conditions of stress.

**SUBSTITUTION FOR ALANINE: PREVENTIVE EFFECT AGAINST HYPOGLYCEMIA IN PATIENTS WITH INSULIN-DEPENDENT DIABETES MELLITUS (IDDM)**

Pharmacotherapy for IDDM (type 1 diabetes mellitus) includes intensive insulin therapy that sometimes causes hypoglycemia. In diabetic patients, a decreased threshold for recognizing hypoglycemia and diabetic autonomic neuropathy lead to a lack of warning symptoms such as hunger and palpitations, resulting in a hypoglycemic state without any subjective symptoms. Alanine has been shown to stimulate the secretion of glucagons in patients with long-term diabetes mellitus who have reduced glucagen response: the glucagen response has an effect in increasing blood-sugar levels. These findings suggested that intravenous infusion of Ala-Gln stimulates the secretion of glucagons and inhibits hypoglycemia.

Want to learn more about our products?

Call, email, or visit us on the web at:

(877) 820-4883

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www.montiff.com

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References:

12. AMINO ACIDS IN CRITICAL CARE AND CANCER R G. LANDES COMPANY/ Austin Copyright © 1994 R.G. Landes Company All rights reserved.
27. Preventive effect of alanyl glutamine during sleep in intensive insulin therapy for patients with insulin-dependent diabetes mellitus (IDDM).

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