



## Protein substitutes for inborn errors of METABOLISM



PKU

TYR

GA

MSUD

HOM

UCD

IVA

MMA  
/PA

afenil: INNOVATION FROM BIRTH...

...AND FOR ALL STAGES OF LIFE



Unique ready-to-use infant formula protein substitute



COMPLETE FORMULATION

WITH LONG CHAIN FATTY ACIDS

CONVENIENT RESEALABLE BOTTLE

ADAPTABLE TO UNIVERSAL NIPPLES

Ready to use phenylalanine-free drink, supplemented with long-chain fatty acids, vitamins, and minerals, indicated for dietary treatment of hyperphenylalaninemia, including newborn phenylketonuria, from birth to the first year of age.



Unique slow-release micro-tablets protein substitute

### control & compliance

TASTELESS & CONCENTRATED HIGH PE IN SMALL VOLUME

EASY TO CARRY TRAVEL FRIENDLY

EASY TO TAKE, IMPROVE COMPLIANCE!

BETTER PROTEIN STATUS<sup>2-4</sup>

Also available for:



Slow-release micro-tablets. Phenylalanine-free amino acid mixture, supplemented with fats and carbohydrates, indicated for the dietary treatment of hyperphenylalaninemia including phenylketonuria.

# THE RIGHT MIX FOR EVERY AGE



**PHENYLKETONURIA****GLUTARIC ACIDURIA TYPE 1****TYROSINEMIA TYPE 1****LEUCINOSIS****CLASSICAL HOMOCYSTINURIA****ISOVALERIC ACIDURIA****UREA CYCLE DISORDERS****METHYLMALONIC/PROPIONIC ACIDEMIA****References:**

**1.** A. P. Burlina et al. The Impact of a Slow-Release Large Neutral Amino Acids Supplement on Treatment Adherence in Adult Patients with Phenylketonuria. *Nutrients* 2020, 12, 2078. **2.** Marcello Giovannini MD, Enrica Riva MD, Elisabetta Salvatici MD, Graziella Cefalo MD & Giovanni Radaelli PhD (2014) Randomized Controlled Trial of a Protein Substitute with Prolonged Release on the Protein Status of Children with Phenylketonuria, *Journal of the American College of Nutrition*, 33: 2, 103-110. **3.** Highlights from the Lunch session: New frontiers in the dietary treatment of PKU patients. *MediFormat Year XXV*, N. 4, June 2020. **4.** F. Porta et al. Tyrosine metabolism in health and disease: slow-release amino acids therapy improves tyrosine homeostasis in phenylketonuria. *J Pediatr Endocrinol Metab* 2020; 33(12): 1519-1523.

**PIAM**  
Pharma &  
Integrative Care

Foods for special medical purposes | To be used under medical supervision | Material reserved for the scientific information of physicians | October 2022.

[www.piamfarmaceutici.com](http://www.piamfarmaceutici.com)