BY & LARGE PEPTIDES

AMPK ACTIVATOR · EXPERIMENTAL

AICAR 50mg



AICAR (5-aminoimidazole-4-carboxamide ribonucleoside) · 50mg vial

RESEARCH USE ONLY · NOT FOR HUMAN OR VETERINARY CONSUMPTION · NOT FOR SELF-ADMINISTRATION

AICAR is a cell-permeable nucleoside that activates AMP-activated protein kinase (AMPK), the cell's main energy sensor. It is widely used in metabolic and exercise-physiology research.

PRICING · PER VIAL

Mix & match any vials — 2–4 −10%, 5+ −15%

RETAIL 1 VIAL	2–4 −10%	5+ −15%
R600	R540	R510

HOW IT WORKS

Once inside cells, AICAR is converted to ZMP, which mimics AMP and activates AMPK. This shifts cells toward glucose uptake, fatty-acid oxidation and mitochondrial biogenesis.

RESEARCH CONTEXT

Rodent studies report endurance-like adaptations and metabolic effects, and it drew anti-doping attention as an exercise mimetic. There is no approved human use.

VIAL CONTENTS & HANDLING

- 50mg AICAR
- Single lyophilised vial

Quality & sourcing. Sourced from established manufacturers who test using HPLC analysis. COA available on request — **ask us on WhatsApp ↗**

Storage: keep unopened lyophilised vials in a cool, dark place. Once reconstituted, store in the fridge at 2–8°C and use within 2 months.

RESEARCH REFERENCE DOSAGE

50mg vial · 2ml water · 25mg/ml

LEVEL	AMOUNT	U100 UNITS	FREQUENCY
Beginner	10mg	**40 units**	Daily · as per protocol · subq
Intermediate	25mg	**100 units**	Daily · as per protocol · subq
Advanced	50mg	**200 units**	Daily · as per protocol · subq

Fixed 2ml · U100 device (1 unit = 0.01ml). The advanced amount (200 units) requires two syringe fills. Research reference only—not human-use guidance.

Dosing status: No approved dosing. Research protocols vary widely; amounts below are research-reference levels only.

REFERENCES

- PubMed — AICAR / AMPK exercise and metabolism research