

Certificate of Analysis

PRODUCT NAME: AICAR

Product Type: Synthetic biochemical AMPK activator
Molecular Formula: $C_9H_{15}N_4O_8P$
Molecular weight (g/mol): 258.2
Cas Number: 2627-69-2
Batch No: 20260116-B025
Manufacture Date: 16/01/2026
Expiry Date: 15/01/2028

COMPOSITION SUMMARY

Active Ingredient:
AICAR (Acadesine / AICA-riboside)

Excipient Classes:
Standard peptide-compatible
isotonic excipients

PRODUCT DESCRIPTION

AICAR (also called AICAR or Acadesine) is a synthetic nucleoside analog used as a pharmacological modulator of AMP-activated protein kinase (AMPK). It is formally known as 5-Aminoimidazole-4-carboxamide ribonucleoside.

TEST SAMPLE PHOTO**ANALYTICAL SPECIFICATIONS**

Items	Standards	Results
Appearance	White to off white Powder	<input checked="" type="checkbox"/> Pass
Identity by ESI-MS >	Theoretical MW: 258.2	<input checked="" type="checkbox"/> Pass
Purity (HPLC)	>_98.0%	99.20%
Water (KF)	<_7.0%	0.36%
Conclusion	Conforms to standards	<input checked="" type="checkbox"/> Pass

CERTIFICATION

Quality Assurance Officer:

Signature: 

Date: 21/01/2026

**SAFETY & REGULATORY NOTES**

Research Use Only: Peptides are supplied strictly for laboratory research and are not approved for human or veterinary administration.

STORAGE & HANDLING

Store at 2–25°C, away from direct sunlight.
Do not freeze.
Use immediately after opening.
Keep in original packaging until use.