

AICAR

Cat. No. AICAR-83 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	An adenosine analog that is phosphorylated in whole cells to form 5-aminoimidazole-4-carboxamide-1-D-ribofuranosyl-5'-monophosphate (ZMP), which stimulates AMPK activity. Formula: C ₉ H ₁₄ N ₄ O ₅ . CAS#: 2627-69-2.
Description	Acadesine (INN), also known as 5-aminoimidazole-4-carboxamide-1-β-D-ribofuranoside, AICA-riboside, and AICAR, is an AMP-activated protein kinase activator which is used for the treatment of acute lymphoblastic leukemia and may have applications in treating other disorders such as diabetes.
Form	Off-white solid.
Molecular Mass	258.2
Purity	≥98% (TLC)
Storage	-20°C
Reconstitution	Soluble in water (9mg/ml).

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