

## AICAR

Cat. No. CEI-0988

Lot. No. (See product label)

### Introduction

**Description** AICAR, also known as acadesine, is an adenosine regulating agent and AMPK activator. AICAR was found to activate AMP-activated protein kinase (AMPK) in skeletal muscle, inhibit acetyl-CoA carboxylase, reduce malonyl-CoA, and increase fatty acid oxidation and glucose uptake. Note: This product is not 5'-phosphorylated.

**Synonyms** Acadesine, AIC -Riboside, 5-Aminoimidazole-4-carboxamide riboside

### Product Information

**Appearance** Tan powder

**CAS No.** 2627-69-2

**Molecular Formula** C<sub>9</sub>H<sub>14</sub>N<sub>4</sub>O<sub>5</sub>

**Molecular Weight** 258.2 Da

**Purity** >99%

**Targets** malonyl-CoA

**Solubility** Soluble in DMSO at 40 mg/ml; soluble in ethanol at 2 mg/ml with warming; soluble in water at 20 mg/ml with warming

### Storage and Shipping Information

**Stability** Store at or below -20°C. Solid form is stable at least 12 months from date of receipt, when stored as directed. Do not store aqueous solutions for more than one day.