

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

C₉H₁₄N₄O₅

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.