Creative Enzymes®

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.