Product Name: AICAR
CAS No.: 2627-69-2
Cat. No.: HY-13417
MWt: 258.23
Formula: C9H14N4O5
Purity: >98%
Solubility: 10 mM in H2O

Mechanisms:
Pathways: PI3K/Akt/mTOR; Target: AMPK

Biological Activity:
AICAR (Acadesine), 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.
Target: AMPK
AICAR, also known as 5-aminoimidazole-4-carboxamide-1-β-D-ribofuranoside, AICA-riboside, and Acadesine, 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.
Acadesine is an adenosine regulating agent developed by PeriCor Therapeutics and licensed to Schering-Plough in 2007 for phase III studies. The drug is a potential first-in-class agent for prevention of reperfusion injury in CABG surgery. Schering began patient enrollment in phase III studies in May, 2009. The trial was terminated in late 2010 based on an interim futility analys...

References:

Caution: Not fully tested. For research purposes only

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