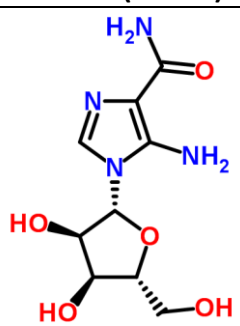


Name	ACADESINE (AICAR)
Structure	
Systematic name	5-Amino-1-(β-D-ribofuranosyl)-1H-imidazole-4-carboxamide
Formula	C <sub>9</sub> H <sub>14</sub> N <sub>4</sub> O <sub>5</sub>
MW	258.2313
Monoisotopic mass	258.0964
Mp	214-215°C
H bond acceptors	9
H bond donors	7
Acid pKa	--
Basic pKa	4.8 (imidazol)
ACD Log D pH 5.5	-2.93
ACD Log D pH 7.4	-2.93
Solubility	Soluble to 75 mM in water and to 75 mM in DMSO
LD50	980 mg/Kg, oral, rat.
Therapeutic cat	AMP-activated protein kinase activator
ATC	<b>C01EB13</b> C CARDIOVASCULAR SYSTEM C01 CARDIAC THERAPY C01E OTHER CARDIAC PREPARATIONS C01EB Other cardiac preparations
Receptors	AMP-activated protein kinase agonist

Nomi commerciali (IT)	
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