

Adenosine Receptor Agonist, NECA - CAS 35920-39-9 - Calbiochem

Art. ID SAF-119140-10MG
Unit 1 x 10 mg
Deliverydetails No Dangerous Good

Description

A cell-permeable adenosine analog that acts a potent non-selective agonist of adenosine receptors ($K_i = 14$ nM, 20 nM, 2.4 μ M and 6.2 nM for A₁, A_{2A}, A_{2B}, A₃, respectively). Increases intracellular cAMP production ($EC_{50} = 3.1 \mu$ M in A_{2B} expressing CHO cells). Shown to increase glucagon release in a dose-dependent manner and inhibit insulin release at low concentrations. Although at higher concentration some insulin release is observed. Also, displays a wide range adenosine-dependent effects, such as blocking platelet aggregation and inhibiting DNA synthesis. When administered at reperfusion, it is shown reduce infarction and block the formation of the mitochondrial permeability transition pore by activating p70S6 kinase.

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	5'-Ethylcarboxamido Ade nosine	[35920-39-9]				