

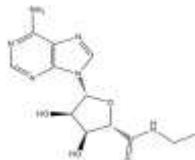
PRODUCT: NECA

ALTERNATE NAME: 1-(6-Amino-9H-purin-9-yl)-1-deoxy-N-ethyl-β-D-ribofuranuronamide; 5'-N-Ethylcarboxamidoadenosine

CATALOG #: B2262-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₂H₁₆N₆O₄

MOLECULAR WEIGHT: 308.3

CAS NUMBER: 35920-39-9

APPEARANCE: White solid

SOLUBILITY: DMSO (>10 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: NECA is a high affinity adenosine receptor agonist (K_i values are 6.2, 14, and 20 nM for human A₃, A₁ and A_{2A} receptors respectively; EC₅₀ = 2.4 μM for human A_{2B}). NECA is also reported to act as a potent vasodilator and can inhibit platelet aggregation by increasing cAMP (EC₅₀ = 3.1 μM).

REFERENCES: Cusack, N.J., *et al.* (1981). *Br. J. Pharmacol.* **72**, 443-447.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AZD-4635 (**B2012**)

CPI-444 (**B1970**)

ML-243 (**2515**)

Reversine (**1851**)

SCH-58261 (**B1638**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**