

HENECA, A_{2A} receptor agonist ab120458

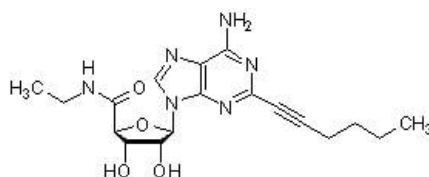
[1 References](#) [2 Images](#)

Overview

Product name	HENECA, A _{2A} receptor agonist
Description	Selective A _{2A} receptor agonist
Biological description	Selective A _{2A} receptor agonist ($K_i = 2.2$ nM). Shows good selectivity for A _{2A} over A ₁ receptors. Displays antiaggregatory activity. Increases cAMP accumulation ($EC_{50} = 43$ nM) and inhibits superoxide anion production ($EC_{50} = 3.63$ nM) in neutrophils.

CAS Number 141018-30-6

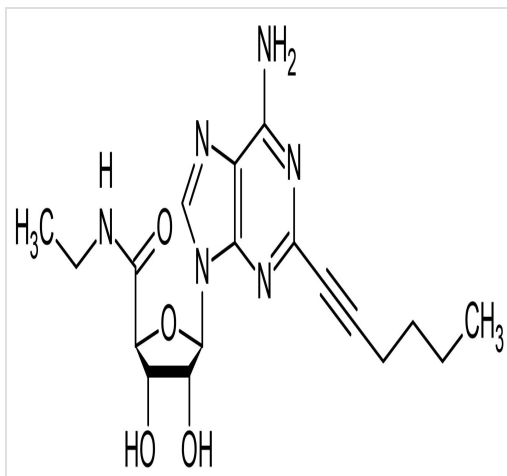
Chemical structure



Properties

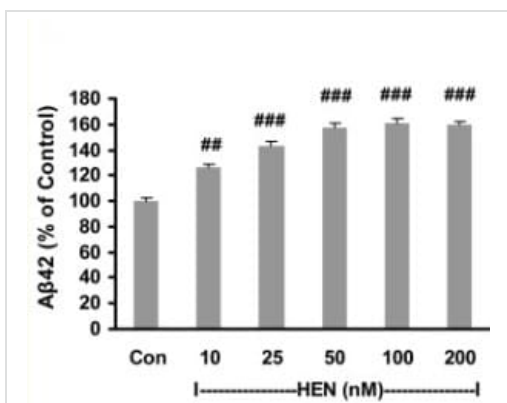
Chemical name	2-Hexynyladenosine-5'-N-ethylcarboxamide
Molecular weight	388.42
Molecular formula	C ₁₈ H ₂₄ N ₆ O ₄
PubChem identifier	4438292
Storage instructions	Store at +4°C. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 50 mM (with heating)
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	CCNC(=O)C3OC(n2cnc1c(N)nc(C#CCCCC)nc12)C(O)C3O
Source	Synthetic

Images



Chemical Structure - HENECA, A_{2A} receptor agonist
(ab120458)

2D chemical structure image of ab120458, HENECA, A_{2A} receptor agonist



Cellular activation - HENECA, A_{2A} receptor agonist
(ab120458)

Image from Nagpure B V, et al. Plos One, 9(2), e88508.
Fig 1a.; doi: 10.1371/journal.pone.0088508

Concentration-dependent effect of HENECA (10-200 nM, 24 hours) on Aβ₄₂ production.

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