

Product Information

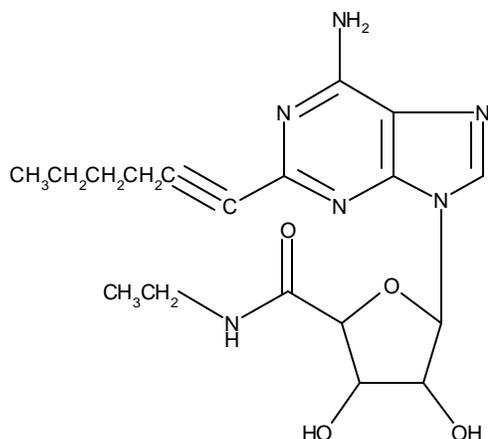
2-Hexynyl-5'-N-ethylcarboxamidoadenosine

Product Number **H8034**

Storage Temperature: 4°C

CAS#: 141018-30-6

Synonym: HE-NECA



Product Description

Molecular Formula: $C_{18}H_{24}N_6O_4 \cdot 1.5H_2O$

Molecular Weight: 388.43 (anhydr.)

There are four known subtypes of adenosine receptors, A_1 , A_{2A} , A_{2B} and A_3 . Selective antagonists, the majority of which are derivatives of adenosine, are of interest as potential anti-arrhythmic, cerebroprotective and

cardioprotective agents (via A_1), and as hypotensive and antipsychotic agents (via A_{2A}). The most recently discovered member of the adenosine receptor family, the A_3 receptor, has a unique pharmacological profile, tissue distribution and effector coupling. The first A_3 selective agonists and antagonists have only recently been described.

HE-NECA is an A_{2A} and A_3 adenosine receptor agonist with good selectivity over the A_1 adenosine receptor.

Preparation Instructions

Soluble in DMSO (20 mg/ml). Insoluble in water.

Storage/Stability

Store tightly sealed at 4°C.

References

1. Vittori, S. et al., Nucleosides Nucleotides, 18, 739-740 (1999).
2. Genovesi, S. et al., J. Cardiovasc. Pharmacol., 35, 189-194 (2000).
3. Volpini, R. et al., Nucleosides Nucleotides, 18, 2511-2520 (1999).

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