

Product Data Sheet

Product Name: N6-Cyclohexyladenosine (CHA)

Cat. No.: GC33667

Chemical Properties

Cas. No. 36396-99-3

SMILES OC[C@H]1[C@H]([C@H]([C@H](N2C=NC3=C2N=CN=C3NC4CCCCC4)O1)O)O

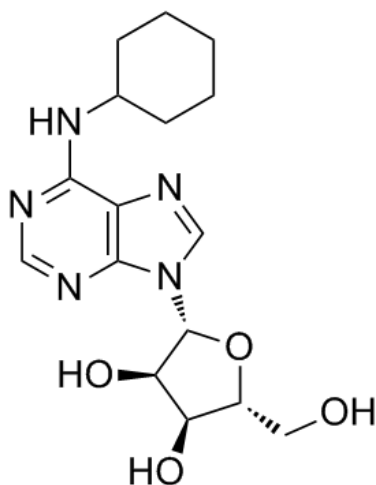
Formula $C_{16}H_{23}N_5O_4$ M.Wt 349.38

Solubility DMSO : ≥ 100 mg/mL (286.22 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

N6-Cyclohexyladenosine is a selective A1 receptor agonist ($EC_{50} = 8.2$ nM). IC_{50} value: 8.2 nM (EC_{50}) Target: A1 receptor in vivo: N6-Cyclohexyladenosine exerts anticonvulsant effects and protects against neuronal death. CHA was also found to inhibit the pressor effects of lumbar sympathetic nerve stimulation in rats.

[1]. Asghari AA, et al. Adenosine A1 receptor agonist, N6-cyclohexyladenosine, protects myelin and induces remyelination in an experimental model of rat optic chiasm demyelination;

Caution: Product has not been fully validated for medical applications. For research use only.

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electrophysiological and histopathological studies. J Neurol Sci. 2013 Feb 15;3

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