

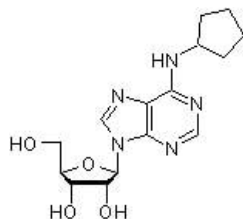
Product datasheet

N6-Cyclopentyladenosine (CPA), A₁ agonist ab120398

5 References 1 Image

Overview

Product name	N6-Cyclopentyladenosine (CPA), A ₁ agonist
Description	Potent, selective A ₁ agonist
Biological description	Potent and selective adenosine A ₁ receptor agonist (K _i values are 2.3, 790 and 43 nM for human A ₁ , A _{2A} and A ₃ receptors, respectively). Centrally active following systemic administration <i>in vivo</i> . Anticonvulsant, with cardiovascular actions, and effects on sleep regulation.
Purity	> 99%
CAS Number	41552-82-3
Chemical structure	

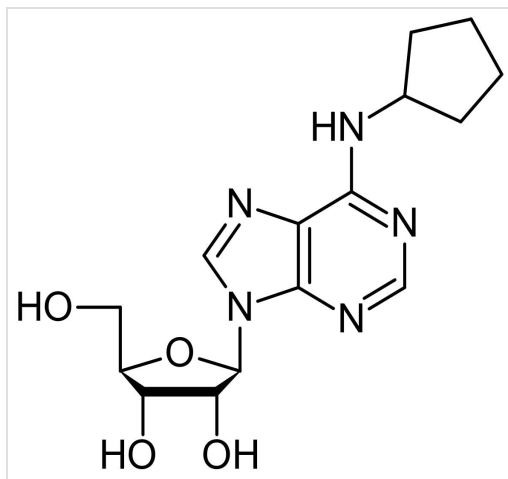


Properties

Chemical name	N-Cyclopentyladenosine
Molecular weight	335.36
Molecular formula	C ₁₅ H ₂₁ N ₅ O ₄
PubChem identifier	657378
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in 1 eq. HCl to 100 mM, in DMSO to 100 mM and in ethanol to 25 mM (with warming)
Handling	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. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

SMILESC1CCC(C1)NC2=C3C(=NC=N2)N(C=N3)[C@H]4[C@@H]([C@@H]([C@H](O4)CO)O)O**Source**

Synthetic

Images

Chemical Structure - N6-Cyclopentyladenosine
(CPA), A₁ agonist (ab120398)

2D chemical structure image of ab120398, N6-Cyclopentyladenosine (CPA), A₁ agonist

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