

## Product datasheet

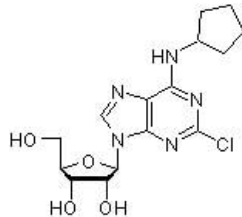
# 2-Chloro-N6-cyclopentyladenosine (CCPA), A1 agonist ab120434

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

### Overview

<b>Product name</b>	2-Chloro-N6-cyclopentyladenosine (CCPA), A1 agonist
<b>Description</b>	Highly potent, selective A <sub>1</sub> agonist
<b>Biological description</b>	Highly potent and selective A <sub>1</sub> receptor agonist (K <sub>i</sub> values are 0.8, 2300 and 42 nM for human A <sub>1</sub> , A <sub>2A</sub> and A <sub>3</sub> receptors, respectively). Shows >2000-fold selectivity over A <sub>2A</sub> . Centrally active following systemic administration and anticonvulsive <i>in vivo</i> .
<b>CAS Number</b>	37739-05-2

### Chemical structure

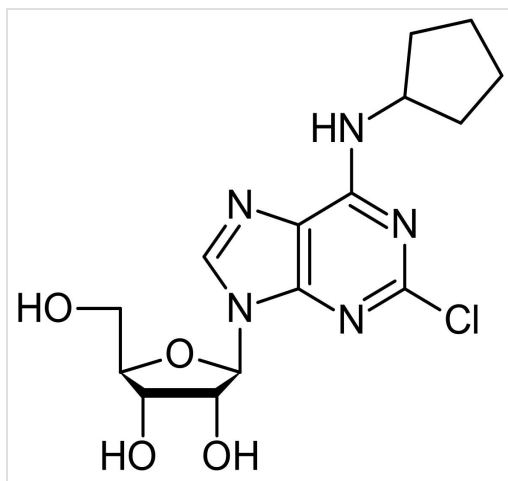


### Properties

<b>Chemical name</b>	2-Chloro-N-cyclopentyladenosine
<b>Molecular weight</b>	369.81
<b>Molecular formula</b>	C <sub>15</sub> H <sub>20</sub> ClN <sub>5</sub> O <sub>4</sub>
<b>PubChem identifier</b>	123807
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 5 mM and in DMSO to 100 mM
<b>Handling</b>	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 <a href="#">frequently asked questions (FAQ) page</a> for more details.

**SMILES**Clc3nc(NC1CCCC1)c4ncn([C@@H]2O[C@H](CO)[C@H](O)C2O)c4n3**Source**

Synthetic

**Images**

2D chemical structure image of ab120434, 2-Chloro-N6-cyclopentyladenosine (CCPA), A<sub>1</sub> agonist

Chemical Structure - 2-Chloro-N6-cyclopentyladenosine (CCPA), A<sub>1</sub> agonist (ab120434)

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