

## Adenosine receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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### Abstract

Adenosine receptors (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Adenosine Receptors [103]**) are activated by the endogenous ligand **adenosine** (potentially **inosine** also at A<sub>3</sub> receptors). Crystal structures for the antagonist-bound [146, 305, 213, 55], agonist-bound [362, 196, 198] and G protein-bound A<sub>2A</sub> adenosine receptors [43] have been described. The structures of an antagonist-bound A<sub>1</sub> receptor [23] and an adenosine-bound A<sub>1</sub> receptor-G<sub>i</sub> complex [80] have been resolved by cryo-electronmicroscopy. Another structure of an antagonist-bound A<sub>1</sub> receptor obtained with X-ray crystallography has also been reported [51].

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