

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

Bertil B. Fredholm<sup>1</sup>, Bruno G. Frenguelli<sup>2</sup>, Rebecca Hills<sup>3</sup>, Adriaan P. IJzerman<sup>4</sup>, Kenneth A. Jacobson<sup>5</sup>, Karl-Norbert Klotz<sup>6</sup>, Joel Linden<sup>7</sup>, Christa E. Müller<sup>8</sup>, Ulrich Schwabe<sup>9</sup> and Gary L. Stiles<sup>10</sup>

1. Karolinska Institutet, Sweden
2. University of Warwick, UK
3. University of Edinburgh, UK
4. Leiden University, The Netherlands
5. National Institutes of Health, USA
6. Universität Würzburg, Germany
7. La Jolla Institute for Allergy and Immunology, USA
8. Universität Bonn, Germany
9. Pharmakologisches Institut der Universität Heidelberg, Germany
10. Duke University, USA

### 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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