

Bradykinin receptors in GtoPdb v.2025.3

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Abstract

Bradykinin (or kinin) receptors (**nomenclature as agreed by the NC-IUPHAR subcommittee on Bradykinin (kinin) Receptors [94]**) are activated by the endogenous peptides [bradykinin](#) (BK), [\[des-Arg⁹\]bradykinin](#), Lys-BK ([kallidin](#)), [\[des-Arg¹⁰\]kallidin](#), [Phospho-Ser⁶]-Bradykinin, [T-kinin](#) (Ile-Ser-BK), [\[Hyp³\]bradykinin](#) and [Lys-\[Hyp³\]-bradykinin](#). Variation in pharmacology and activity of B₁ and B₂ receptor antagonists at species orthologs has been documented. [icatibant](#) (Hoe140, Firazir) is approved in North America and Europe for the treatment of acute attacks of hereditary angioedema. Inhibition of bradykinin with icatibant in COVID-19 infection is under clinical evaluation, with trial [NCT05407597](#).

Contents

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Receptors

B₁ receptor

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B₂ receptor

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=42>

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