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Prostanoid receptors in GtoPdb v.2025.3

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Abstract

Prostanoid receptors (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Prostanoid Receptors [709]**) are activated by the endogenous ligands prostaglandins PGD_2, PGE_1, PGE_2 , $PGF_{2\alpha}$, PGH_2, prostacyclin [PGI_2] and thromboxane A_2. Differences and similarities between human and rodent prostanoid receptor orthologues, and their specific roles in pathophysiologic conditions are reviewed in [457]. Measurement of the potency of PGI_2 and thromboxane A_2 is hampered by their instability in physiological salt solution; they are often replaced by cicaprost and U46619, respectively, in receptor characterization studies.

Contents

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