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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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Prostanoid receptors
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=58
Introduction to Prostanoid receptors
https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=58

Receptors

- DP_1 receptor
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=338
- DP_2 receptor
  https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=339
- EP_1 receptor

https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=340
EP_2 receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=341
EP_3 receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=342
EP_4 receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=343
FP receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=344
IP receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=345
TP receptor
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=346

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