

## Prostanoid receptors (version 2019.5) in the IUPHAR/BPS Guide to Pharmacology Database

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### Abstract

Prostanoid receptors (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Prostanoid Receptors [659]**) are activated by the endogenous ligands prostaglandins  $PGD_2$ ,  $PGE_1$ ,  $PGE_2$ ,  $PGF_{2\alpha}$ ,  $PGH_2$ , prostacyclin [ $PGI_2$ ] and **thromboxane  $A_2$** . 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.

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## Introduction to Prostanoid receptors

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### Receptors

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#### DP<sub>2</sub> receptor

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#### EP<sub>4</sub> receptor

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#### FP receptor

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#### IP receptor

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#### TP receptor

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