

## Inwardly rectifying potassium channels (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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### Abstract

The 2TM domain family of K channels are also known as the inward-rectifier K channel family. This family includes the strong inward-rectifier K channels ( $K_{ir2.x}$ ) that are constitutively active, the G-protein-activated inward-rectifier K channels ( $K_{ir3.x}$ ) and the ATP-sensitive K channels ( $K_{ir6.x}$ , which combine with sulphonylurea receptors (SUR1-3)). The pore-forming  $\alpha$  subunits form tetramers, and heteromeric channels may be formed within subfamilies (e.g.  $K_{ir3.2}$  with  $K_{ir3.3}$ ).

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