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Tachykinin receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

Tachykinin receptors (**provisional nomenclature as recommended by NC-IUPHAR [90]**) are activated by the endogenous peptides substance P (SP), neurokinin A (NKA; previously known as substance K, neurokinin α, neuromedin L), neurokinin B (NKB; previously known as neurokinin β, neuromedin K),neuropeptide K and neuropeptide γ (N-terminally extended forms of neurokinin A). The neurokinins (A and B) are mammalian members of the tachykinin family, which includes peptides of mammalian and nonmammalian origin containing the consensus sequence: Phe-x-Gly-Leu-Met. Marked species differences in *in vitro* pharmacology exist for all three receptors, in the context of nonpeptide ligands. Antagonists such as aprepitant and fosaprepitant were approved by FDA and EMA, in combination with other antiemetic agents, for the prevention of nausea and vomiting associated with emetogenic cancer chemotherapy.

Contents

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NK_3 receptor

http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=362

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