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## Orexin receptors in GtoPdb v.2021.3

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### Abstract

Orexin receptors (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Orexin receptors** [42]) are activated by the endogenous polypeptides orexin-A and orexin-B (also known as hypocretin-1 and -2; 33 and 28 aa) derived from a common precursor, preproorexin or orexin precursor, by proteolytic cleavage and some typical peptide modifications [109]. Currently the only orexin receptor ligands in clinical use are suvorexant and lemborexant, which are used as hypnotics. Orexin receptor crystal structures have been solved [134, 133, 54, 117, 46].

### Contents

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Orexin receptors

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Introduction to Orexin receptors

<https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=51>

#### Receptors

OX<sub>1</sub> receptor

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=321>

OX<sub>2</sub> receptor

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