

3C. 3-Ketosteroid receptors in GtoPdb v.2025.3

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Abstract

Steroid hormone receptors (**nomenclature as agreed by the NC-IUPHAR Subcommittee on Nuclear Hormone Receptors [75, 221, 3]**) are nuclear hormone receptors of the NR3 class, with endogenous agonists that may be divided into 3-hydroxysteroids (**estrone** and **17 β -estradiol**) and 3-ketosteroids (**dihydrotestosterone [DHT]**, **aldosterone**, **cortisol**, **corticosterone**, **progesterone** and **testosterone**). For rodent GR and MR, the physiological ligand is corticosterone rather than cortisol. Clinically-used drugs interacting with the 3-ketosteroid receptors include testosterone (AR), methylprednisolone (GR), eplerenone (MR), and medroxyprogesterone (PR).

Contents

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Database links

3C. 3-Ketosteroid receptors

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=98>

Introduction to 3C. 3-Ketosteroid receptors

<https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=98>

Receptors

Androgen receptor

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=628>

Glucocorticoid receptor

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=625>

Mineralocorticoid receptor

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=626>

Progesterone receptor

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