

1A. Thyroid hormone receptors in GtoPdb v.2025.3

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Abstract

Thyroid hormone receptors (TRs, nomenclature as agreed by the [NC-IUPHAR Subcommittee on Nuclear Hormone Receptors \[13, 2\]](#)) are nuclear hormone receptors of the NR1A family, with diverse roles regulating macronutrient metabolism, cognition and cardiovascular homeostasis. TRs are activated by thyroxine (T₄) and thyroid hormone (triiodothyronine). Once activated by a ligand, the receptor acts as a transcription factor either as a monomer, homodimer or heterodimer with members of the retinoid X receptor family. NH-3 has been described as an antagonist at TRs with modest selectivity for TR β [43].

Contents

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1A. Thyroid hormone receptors

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=84>

Introduction to 1A. Thyroid hormone receptors

<https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=84>

Receptors

Thyroid hormone receptor- α

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=588>

Thyroid hormone receptor- β

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=589>

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