

## 1A. Thyroid hormone receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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### Abstract

Thyroid hormone receptors (**TRs, nomenclature as agreed by the NC-IUPHAR Subcommittee on Nuclear Hormone Receptors [10]**) are nuclear hormone receptors of the NR1A family, with diverse roles regulating macronutrient metabolism, cognition and cardiovascular homeostasis. TRs are activated by thyroxine (**T<sub>4</sub>**) 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 $\beta$  [38].

### Contents

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#### [1A. Thyroid hormone receptors](#)

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#### [Introduction to 1A. Thyroid hormone receptors](#)

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

Receptors

Thyroid hormone receptor- $\alpha$

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

Thyroid hormone receptor- $\beta$

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

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