

## Trace amine receptor in GtoPdb v.2023.1

Tom I. Bonner<sup>1</sup>, Anthony P. Davenport<sup>2</sup>, Stephen M. Foord<sup>3</sup>, Janet J. Maguire<sup>2</sup> and William A.E. Parker<sup>2</sup>

1. National Institute of Mental Health, USA
2. University of Cambridge, UK
3. GlaxoSmithKline, UK

### Abstract

Trace amine-associated receptors were discovered from a search for novel 5-HT receptors [9], where 15 mammalian orthologues were identified and divided into two families. The TA<sub>1</sub> receptor (**nomenclature as agreed by the NC-IUPHAR Subcommittee for the Trace amine receptor [58]**) has affinity for the endogenous trace amines [tyramine](#), [β-phenylethylamine](#) and [octopamine](#) in addition to the classical amine [dopamine](#) [9]. Emerging evidence suggests that TA<sub>1</sub> is a modulator of monoaminergic activity in the brain [94] with TA<sub>1</sub> and dopamine D<sub>2</sub> receptors shown to form constitutive heterodimers when co-expressed [30]. In addition to trace amines, receptors can be activated by amphetamine-like psychostimulants, and endogenous thyronamines.

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#### Receptors

##### [TA<sub>1</sub> receptor](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=364>

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