

Hydroxycarboxylic acid receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

The hydroxycarboxylic acid family of receptors ([ENSM00500000271913](#), nomenclature as agreed by the **NC-IUPHAR Subcommittee on Hydroxycarboxylic acid receptors [32, 10]**) respond to organic acids, including the endogenous hydroxy carboxylic acids 3-hydroxy butyric acid and [L-lactic acid](#), as well as the lipid lowering agents [nicotinic acid](#) (niacin), [acipimox](#) and [acifran](#) [47, 54, 57]. These receptors were provisionally described as nicotinic acid receptors, although nicotinic acid shows submicromolar potency at HCA₂ receptors only and is unlikely to be the natural ligand [54, 57].

Contents

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Introduction to Hydroxycarboxylic acid receptors

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Receptors

HCA₁ receptor

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HCA₂ receptor

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HCA₃ receptor

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=313>

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