

## 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 ([ENFSM00500000271913](#), 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 HCA<sub>2</sub> receptors only and is unlikely to be the natural ligand [54, 57].

### Contents

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[Hydroxycarboxylic acid receptors](#)

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## Introduction to Hydroxycarboxylic acid receptors

<http://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=48>

### Receptors

#### HCA<sub>1</sub> receptor

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#### HCA<sub>2</sub> receptor

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#### HCA<sub>3</sub> receptor

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

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