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GPR18, GPR55 and GPR119 in GtoPdb v.2023.1

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Abstract

GPR18, GPR55 and GPR119 (**provisional nomenclature**), although showing little structural similarity to CB_1 and CB_2 cannabinoid receptors, respond to endogenous agents analogous to the endogenous cannabinoid ligands, as well as some natural/synthetic cannabinoid receptor ligands [104]. Although there are multiple reports to indicate that GPR18, GPR55 and GPR119 can be activated *in vitro* by N-arachidonoylglycine, lysophosphatidylinositol and N-oleoylethanolamide, respectively, there is a lack of evidence for activation by these lipid messengers *in vivo*. As such, therefore, these receptors retain their orphan status.

Contents

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Database links

GPR18, GPR55 and GPR119
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=114

Receptors

GPR18
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=89

GPR55
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=109

GPR119
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=126

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