

## GPR18, GPR55 and GPR119 (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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### Abstract

GPR18, GPR55 and GPR119 (**provisional nomenclature**), although showing little structural similarity to CB<sub>1</sub> and CB<sub>2</sub> cannabinoid receptors, respond to endogenous agents analogous to the endogenous cannabinoid ligands, as well as some natural/synthetic cannabinoid receptor ligands [98]. 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.

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[GPR55](#)

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