Complement peptide receptors (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

Complement peptide receptors (nomenclature as agreed by the NC-IUPHAR subcommittee on Complement peptide receptors [98]) are activated by the endogenous ~75 amino-acid anaphylatoxin polypeptides C3a and C5a, generated upon stimulation of the complement cascade. C3a and C5a exert their functions through binding to their receptors (C3aR and C5aR), causing cell activation and triggering cellular degranulation that contributes to the local inflammation.

Contents

This is a citation summary for Complement peptide receptors in the Guide to Pharmacology database (GtoPdb). It exists purely as an adjunct to the database to facilitate the recognition of citations to and from the database by citation analyzers. Readers will almost certainly want to visit the relevant sections of the database which are given here under database links.

GtoPdb is an expert-driven guide to pharmacological targets and the substances that act on them. GtoPdb is a reference work which is most usefully represented as an on-line database. As in any publication this work should be appropriately cited, and the papers it cites should also be recognized. This document provides a citation for the relevant parts of the database, and also provides a reference list for the research cited by those parts.

Please note that the database version for the citations given in GtoPdb are to the most recent preceding version in which the family or its subfamilies and targets were substantially changed. The links below are to the current version. If you need to consult the cited version, rather than the most recent version, please contact the GtoPdb curators.

Database links

Complement peptide receptors  
http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=5  
Introduction to Complement peptide receptors  
http://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=5  
Receptors
C3a receptor
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=31

C5a\textsubscript{1} receptor
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=32

C5a\textsubscript{2} receptor
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=33

References


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195. Woodruff TM, Strachan AJ, Sanderson SD, Monk PN, Wong AK, Fairlie DP and Taylor SM. (2001) Species dependence for binding of small molecular agonist and antagonists to the C5a receptor on
polymorphonuclear leukocytes. *Inflammation* **25**: 171-7 [PMID:11403208]


