

ABCD subfamily of peroxisomal ABC transporters in GtoPdb v.2023.1

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Abstract

Peroxisomes are indispensable organelles in higher eukaryotes. They are essential for the oxidation of a wide variety of metabolites, which include: saturated, monounsaturated and polyunsaturated fatty acids, branched-chain fatty acids, bile acids and dicarboxylic acids [5]. However, the peroxisomal membrane forms an impermeable barrier to these metabolites. The mammalian peroxisomal membrane harbours three ATP-binding cassette (ABC) half-transporters, named ABCD1, -2 and -3. The ABCD transporters predominantly act as homodimers to transport different acyl-CoAs.

Contents

This is a citation summary for ABCD subfamily of peroxisomal ABC transporters 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. For further details see [1].

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

[ABCD subfamily of peroxisomal ABC transporters](#)

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=154>

Transporters

[ALDP\(ABCD1\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=788>

[ALDR\(ABCD2\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=789>

[PMP70\(ABCD3\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=790>

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