SLC1 family of amino acid transporters (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

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Abstract

The SLC1 family of sodium dependent transporters includes the plasma membrane located glutamate transporters and the neutral amino acid transporters ASCT1 and ASCT2 [1, 49, 36, 37, 7].

Contents

This is a citation summary for SLC1 family of amino acid 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.

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

SLC1 family of amino acid transporters
http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=139

Glutamate transporter subfamily
http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=163

Transporters

EAAT1(Excitatory amino acid transporter 1)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=868
EAAT2(Excitatory amino acid transporter 2)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=869
EAAT3(Excitatory amino acid transporter 3)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=870
EAAT4 (Excitatory amino acid transporter 4)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=871
EAAT5 (Excitatory amino acid transporter 5)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=872
Alanine/serine/cysteine transporter subfamily
http://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=164
Transporters
ASCT1 (Alanine/serine/cysteine transporter 1)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=873
ASCT2 (Alanine/serine/cysteine transporter 2)
http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=874

References


50. Pinilla-Tenas J, Barber A and Lostao MP. (2003) Transport of proline and hydroxyproline by the neutral


