

SLC23 family of ascorbic acid transporters in GtoPdb v.2023.3

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Abstract

Predicted to be 12 TM segment proteins, members of this family transport the reduced form of ascorbic acid (while the oxidized form may be handled by members of the [SLC2 family](#) (GLUT1/SLC2A1, GLUT3/SLC2A3 and GLUT4/SLC2A4). [phloretin](#) is considered a non-selective inhibitor of these transporters, with an affinity in the micromolar range [1].

Contents

This is a citation summary for SLC23 family of ascorbic 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. For further details see [2].

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

SLC23 family of ascorbic acid transporters

<https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=201>

Transporters

[SVCT1\(Sodium-dependent vitamin C transporter 1\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1041>

[SVCT2\(Sodium-dependent vitamin C transporter 2\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1042>

[SVCT3\(Sodium-dependent vitamin C transporter 3\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1043>

[SNBT1\(Sodium-dependent nucleobase transporter\)](#)

<https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=1044>

References

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