Peptidyl-prolyl cis/trans isomerases in GtoPdb v.2021.2

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Abstract

Peptidyl-prolyl cis/trans isomerases (PPIases) are an enzyme family which catalyse the cis/trans isomerisation of proline peptide bonds to promote the folding and re-folding of peptides and proteins. Three subfamilies have been identified: cyclophilins, FK506-binding proteins and parvulins. Individual PPIases are overexpressed in a number of cancers [59], and family members have been targetted for immunosuppressant effects.

Contents

This is a citation summary for Peptidyl-prolyl cis/trans isomerases 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 [9].

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

Peptidyl-prolyl cis/trans isomerases
https://www.guidetopharmacology.org/GRAC/FamilyDisplayForward?familyId=845
Introduction to Peptidyl-prolyl cis/trans isomerases
https://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=845

Enzymes
FKBP12(FKBP prolyl isomerase 1A)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2609
FKBP38(FKBP prolyl isomerase 8)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3177
FKBP51(FKBP prolyl isomerase 5)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3175
FKBP52(FKBP prolyl isomerase 4)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3176
FKBP prolyl isomerase like
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3178
peptidylprolyl cis/trans isomerase, NIMA-interacting 1
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3171
Cyclophilin A(peptidylprolyl isomerase A)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2751
Cyclophilin D(peptidylprolyl isomerase D)
https://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=3179
References


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