

Lanosterol biosynthesis pathway (version 2019.4) in the IUPHAR/BPS Guide to Pharmacology Database

Helen E. Benson¹

1. University of Edinburgh, UK

Abstract

Lanosterol is a precursor for cholesterol, which is synthesized primarily in the liver in a pathway often described as the mevalonate or HMG-CoA reductase pathway. The first two steps (formation of [acetoacetyl CoA](#) and the mitochondrial generation of [\(S\)-3-hydroxy-3-methylglutaryl-CoA](#)) are also associated with oxidation of fatty acids.

Contents

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[Lanosterol biosynthesis pathway](#)

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<http://www.guidetopharmacology.org/GRAC/FamilyIntroductionForward?familyId=104>

Enzymes

[acetyl-CoA acetyltransferase 1](#)

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2435>

[acetyl-CoA acetyltransferase 2](#)

<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2436>

hydroxymethylglutaryl-CoA synthase 1
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=638>
hydroxymethylglutaryl-CoA synthase 2
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2432>
hydroxymethylglutaryl-CoA reductase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=639>
mevalonate kinase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=640>
phosphomevalonate kinase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=641>
diphosphomevalonate decarboxylase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=642>
isopentenyl-diphosphate Δ -isomerase 1
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=646>
isopentenyl-diphosphate Δ -isomerase 2
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=647>
geranylgeranyl diphosphate synthase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=643>
farnesyl diphosphate synthase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=644>
squalene synthase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=645>
squalene monooxygenase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2433>
lanosterol synthase
<http://www.guidetopharmacology.org/GRAC/ObjectDisplayForward?objectId=2434>

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