

Stestl

Sterol

A sterol is any organic compound with a skeleton closely related to cholestan-3-ol. The simplest sterol is gonan-3-ol, which has a formula of $C_{17}H_{28}O$...

Steroid (redirect from Sterol biosynthesis)

fungi, plants, and animals. All steroids are manufactured in cells from a sterol: cholesterol (animals), lanosterol (opisthokonts), or cycloartenol (plants)...

Sterol ester

Sterol esters are a heterogeneous group of chemical compounds. They are created when the hydroxyl group of a sterol and a fatty acid undergo an esterification...

Phytosterol (redirect from Plant sterol)

biological membranes of plants. They encompass plant sterols and stanols. More than 250 sterols and related compounds have been identified. Free phytosterols...

Sterol regulatory element-binding protein 2

Sterol regulatory element-binding protein 2 (SREBP-2) also known as sterol regulatory element binding transcription factor 2 (SREBF2) is a protein that...

Sterol regulatory element-binding protein 1

Sterol regulatory element-binding transcription factor 1 (SREBF1) also known as sterol regulatory element-binding protein 1 (SREBP-1) is a protein that...

Sterol regulatory element-binding protein

Sterol regulatory element-binding proteins (SREBPs) are transcription factors that bind to the sterol regulatory element DNA sequence TCACNCCAC. Mammalian...

Stanol ester

foods supplemented with plant sterol esters reduce cardiovascular events. They are used in food products such as Benecol. Sterol esters can also be used for...

Sterol esterase

The enzyme sterol esterase (EC 3.1.1.13) catalyzes the reaction $\text{a sterol ester} + \text{H}_2\text{O} \rightarrow \text{a sterol} + \text{a fatty acid}$ This...

Sterol 14-demethylase

In enzymology, a sterol 14-demethylase (EC 1.14.13.70) is an enzyme of the cytochrome P450 (CYP) superfamily. It is any member of the CYP51 family. It...

?-Sitosterol

?-Sitosterol (beta-sitosterol) is one of several phytosterols (plant sterols) with chemical structures similar to that of cholesterol. It is a white,...

CYP27A1 (redirect from Sterol 27-hydroxylase)

is a gene encoding a cytochrome P450 oxidase, and is commonly known as sterol 27-hydroxylase. This enzyme is located in many different tissues where it...

C-5 sterol desaturase

C-5 sterol desaturase (also known as sterol C-5 desaturase and C5SD) is an enzyme that is highly conserved among eukaryotes and catalyzes the dehydrogenation...

Adolf Windaus

German chemist who won a Nobel Prize in Chemistry in 1928 for his work on sterols and their relation to vitamins. He was the doctoral advisor of Adolf Butenandt...

Sterol O-acyltransferase

Sterol O-acyltransferase (also called Acyl-CoA cholesterol acyltransferase, Acyl-CoA cholesterolin acyltransferase[citation needed] or simply ACAT) is an...

Delta14-sterol reductase

In enzymology, a Delta14-sterol reductase (EC 1.3.1.70) is an enzyme that catalyzes the chemical reaction 4,4-dimethyl-5alpha-cholesta-8,24-dien-3beta-ol...

Sitosterolemia

excretion of dietary sterols (including the phytosterol beta-sitosterol). Healthy persons absorb only about 5% of dietary plant sterols, but sitosterolemia...

Lipid (section Sterols)

Lipids are a broad group of organic compounds which include fats, waxes, sterols, fat-soluble vitamins (such as vitamins A, D, E and K), monoglycerides...

Sterol 12alpha-hydroxylase

Sterol 12alpha-hydroxylase may refer to: 5beta-cholestane-3alpha,7alpha-diol 12alpha-hydroxylase, an enzyme 7alpha-hydroxycholest-4-en-3-one 12alpha-hydroxylase...

Delta24(241)-sterol reductase

In enzymology, a Delta24(241)-sterol reductase (EC 1.3.1.71) is an enzyme that catalyzes the chemical reaction ergosterol + NADP+ \rightarrow ? $\{\displaystyle \rightarrow\}$

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