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# **Bioconversion of mevastatin to pravastatin by various microorganisms and its applications - a review**

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## **Abstract**

Hypercholesterolemia is considered to be an important risk factor in coronary heart disease. Statins has received a lot of attention in recent years due to control of cholesterol biosynthesis and level of cholesterol in the body, by inhibiting the enzyme 3-hydroxy-3-methylglutaryl Coenzyme A (HMG-CoA) reductase. Inhibition results in reduced levels of mevalonate in the body, leading to pleiotropic effects. Compactin and its hydroxy derivative pravastatin are natural statins and are used as hypocholesterolemic agents which are potent inhibitors of HMG-CoA

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