HMG-CoA \rightarrow HMG-CoA reductase $\xrightarrow{\text{Statins.}}$

Mevalonate

<table>
<thead>
<tr>
<th>Geranylpyrophosphate</th>
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<tbody>
<tr>
<td>Farnesylpyrophosphate</td>
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</tbody>
</table>

- Squalene
- Cholesterol

Protein Isoprenylation

- Activation of Roc, Rho and Ras
- Activation of MAPK, IP3K and NFK-B systems

- Cytokines
- Chemokines
- Enzymes
- Adhesion Molecules

Pleiotropic effects.

Lipid lowering effects.
HMG-CoA

HMG-CoA reductase

Mevalonate

Geranylpymrophosphate

Farnesylpymrophosphate

Squalène

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Geranylgeranylpymrophosphate

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