

Co-delivery of Cholesterol Lowering Drugs and Nutraceuticals

Categories

Wellness, Medical and Healthcare

Solution

Improved loading efficiencies for the cholesterol-lowering drug.

Technology & Applications

Star polymer occlusion complexes were prepared comprising

- i) an amphiphilic unimolecular star polymer having a crosslinked core covalently linked to 6 or more independent amphiphilic polymer arms,
- ii) a nutraceutical (such as coenzyme Q10), and
- iii) a cholesterol-lowering drug (such as simvastatin). The star polymer occlusion complexes have utility in the medical treatment of high blood cholesterol.

Advantages

An initial occlusion complex formed with the nutraceutical and the star polymer exhibited improved binding properties for the cholesterol-lowering drug, resulting in improved loading efficiencies for the cholesterol-lowering drug.

Intellectual Property

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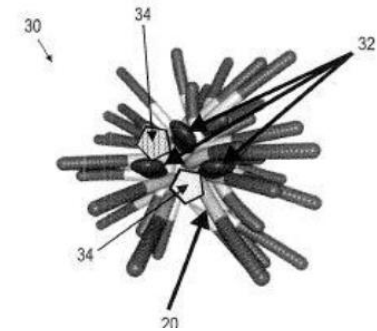
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