



**School of
Renewable
Natural
Resources**

Disclosure Numbers: Ag-1106, Ag-1107

Statins/Icariin with Increased Solubility

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Description:

AgCenter scientists have developed a new encapsulation formulation to increase the solubility of statin and icariin compounds. The increase in solubility was tens of thousands fold for both compounds according to lab experiments. This can greatly increase the bioavailability, or absorption into the body, of statin and icariin related drugs. Both concepts have been formulated into powders with relatively high drug loads. All ingredients used in the process are natural.

Advantages:

- Increased drug bioavailability
- Higher drug loading capacity
- Uses natural ingredients

Commercial Uses:

- Treatment for high cholesterol
- Treatment for impotence
- Treatment for cardiovascular diseases
- Treatment for osteoporosis



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