



# Plant Sterols

PHYTOSTEROLS (plant sterols) are structurally similar to cholesterol (animal sterols) and compete with each other for absorption during digestion, ultimately reducing absorption of dietary cholesterol.

PHARMACHEM is a processor and supplier of phytosterol ingredients including free sterols and sterol esters in application-specific forms. We provide formulation, regulatory and analytical support from bench top through commercial production.

**Powder**

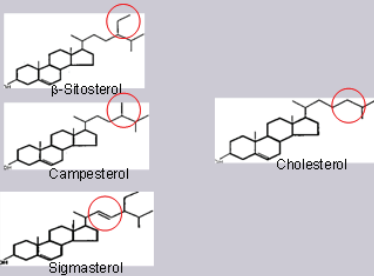
**Granular**

**Micronized**

**Water Soluble**

**Directly Compressible**

## Chemical Structure of Phytosterol vs. Cholesterol



Pharmachem phytosterol ingredients qualify for FDA approved heart health claims to reduce the risk of heart disease by lowering cholesterol.

*“Foods containing at least 0.4 gram per serving of **plant sterols**, eaten twice a day with meals for a daily total intake of at least 0.8 gram, as part of a diet low in saturated fat and cholesterol, **may reduce the risk of heart disease.**”*

*“Foods containing at least 0.65 gram per serving of **plant sterol esters**, eaten twice a day with meals for a daily total intake of at least 1.3 gram, as part of a diet low in saturated fat and cholesterol, **may reduce the risk of heart disease.**”*

## Health & Wellness since 1978.

PHARMACHEM is a service-oriented company providing customer-specific ingredient, product and process solutions with expertise in health & wellness, flavor and ingredient delivery.

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure or prevent any disease.