

## Taxifolin Complex SR

Sustained Release



Immunity +  
Antioxidant Defense

### What Is It?

Taxifolin Complex SR is a sustained-release dietary supplement featuring high-potency vitamin C, highly bioavailable zinc bisglycinate, and Lavitol® dihydroquercetin (taxifolin). The SmartMatrix™ tablet releases this antioxidant complex slowly over 5 to 7 hours for optimal absorption and tissue retention.

### How Does It Work?

**Taxifolin** exerts antioxidant capacity superior to quercetin. In vivo, taxifolin metabolism yields metabolites with taxifolin-related bioactivities, including antioxidant and other actions.<sup>1</sup>

**Vitamin C** neutralizes free radicals that can harm cells, including endothelial cells. In the blood, vitamin C helps recycle and reactivate vitamin E. It plays a role in the production/activation of key immune cells, helps ensure a healthy inflammatory response, and protects the integrity of skin and underlying capillaries.<sup>2</sup>

**Zinc** protects cells from oxidative damage primarily as a component of superoxide dismutase (SOD). It supports the function of several immune cells (e.g., neutrophils, natural killer cells and T-lymphocytes). Like vitamin C, zinc helps maintain the integrity of skin and mucous membranes that line the nose, mouth, throat, and intestinal tract.<sup>3</sup>

### Product Availability

Bottle Size(s):  
– 60 tablets

**Suggested Use:** As a dietary supplement for adults, take one (1) tablet, twice daily with food, or as directed by your healthcare professional.

### Supplement Facts

Serving Size 1 Tablet

Amount Per Tablet	%DV
Vitamin C (as ascorbic acid) 500 mg	556%
Zinc (as zinc bisglycinate) 15 mg	136%
Taxifolin (dihydroquercetin) (from Larix gmelinii stump extract)	50 mg *

\*Daily Value (DV) not established

**Other Ingredients:** Vegetable wax (rice bran and/or carnauba), stearic acid (vegetable), magnesium stearate (vegetable), and silica.

This information is for healthcare professionals only to inform patient treatment and is not intended for consumer use.

\*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.

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RESEARCH HIGHLIGHTS



## May help support whole body health

One extensive review of preclinical research indicates taxifolin exerts cardiovascular, hepatoprotective, and neuroprotective activity as well as the ability to promote healthy cell division and immune function.<sup>4</sup> Taxifolin has also been shown to support respiratory function.<sup>5</sup> These actions are attributed to its potent antioxidant capacity.



## Superior antioxidant activity compared to quercetin

Taxifolin has more antioxidant capacity and protective benefits than regular quercetin, based on animal studies.<sup>6</sup> For example, taxifolin was found to be superior to quercetin for protecting capillary function in a dose-dependent manner: 3.4 times better at 100 mg/kg and 4.9 times better at 300 mg/kg. This action is attributed to its hydroxyl group (-OH) on the aromatic ring, which quercetin lacks.<sup>7</sup>



## May help support healthy immune function

Preclinical research indicates taxifolin exerts immunomodulating actions that may offer therapeutic potential for healthy immune function. These actions are attributed to its ability to reduce oxidative stress.<sup>8-11</sup>

Emerging research highlights taxifolin as a potent antioxidant compound with the potential for wide-ranging benefits.

## Ingredient Spotlight: Lavitol® Dihydroquercetin (Taxifolin)

Lavitol® dihydroquercetin (taxifolin) extract is affirmed GRAS (Generally Recognized as Safe) in the United States for use in foods and supplements. The European Union's EFSA Panel has concluded taxifolin-rich extracts from Dahurian larch are safe for adults and teens 14 years and older. The conditions of use include 100 mg/day of taxifolin from food supplements.<sup>12</sup>

SmartMatrix is a trademark of Innovite, Inc. Lavitol® is a registered trademark of Ametis Co. Ltd.

### References

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