

DNT 53™ Unique formulation supports management of Thrombocytopenia (Low Platelet counts) by supporting RBC, WBC and bone marrow. This blood boosting product is a rich source of complex biochemical constituents that help to boost the body's immune system and demonstrate excellent free radical scavenging activity.*

DNT 53's supports*


- analgesic, antipyretic
- antimicrobial activity
- antioxidant activity
- antibacterial
- antifungal
- antiviral activity
- anti-inflammatory


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

Caution: Do not exceed recommended dose. Pregnant or nursing mothers, children under the age of 18, and individuals with a known medical condition should consult with a physician before taking this or any dietary supplement.
Keep out of reach of children. Do not use if safety seal is damaged or missing.

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MADE IN USA





Advanced Nutrition to Feel Alive

DNT53


PROFESSIONAL SUPPORT

Dietary Supplement
60 CAPSULES

Suggested Use: As a dietary supplement, adults take 1 capsule 2 times daily or as recommended by a healthcare professional.

SUPPLEMENT FACTS		
Serving Size: 1 Capsule		
Servings Per Container: 60		
	Amount Per Serving	%DV
Proprietary Blend	335mg	*
<small>Tribulus Terrestris Linn, Prosopis Spicigera Linn, Tinospora Cordifolia, Carica Papaya Linn</small>		
* DAILY VALUE (DV) NOT ESTABLISHED		

Other Ingredients: Veggie Capsules



Manufactured exclusively for: Alive Innovations LLC.
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What is DNT 53?



DNT 53 is a unique formulation designed to support healthy blood cell production, support normal blood platelet levels, and assist with the management of thrombocytopenia (low platelet count).

This nutrient-rich formula supports bone marrow health and immune system function while delivering potent antioxidants for superior free radical scavenging activity. It also harbors potent antimicrobial, antiviral, and antifungal activity.

Active Ingredients

Tribulus Terrestris Linn
Prosopis Spicigera Linn
Tinospora Cordifolia
Carica Papaya Linn

Benefits

Supports blood cell production

Several reports have suggested that T. cordifolia is used in the treatment of multiple disorders and that is effective in enriching the blood.[7,28,29]

When administered in rats treated with lead, T. cordifolia extract decreased the toxic effect of lead in blood, indicating the protective role of the plant extract in lead toxicity. T. cordifolia extract also significantly prevented the influences of lead on differential leukocyte count.¹

¹ <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2964740/>



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Supports blood platelets and bone marrow health

Activated platelets play a crucial role in immune response by releasing antimicrobial proteins and molecules that regulate the host response against infection. These antimicrobial proteins directly target the pathogen to limit the spread of the infection.²

A rodent study investigating the effects of *C. papaya* leaf extract on biochemical and hematological parameters found that papaya significantly increased both platelet and red blood cell counts compared to controls, without causing toxicological changes³.

A similar study found that papaya extract increased hemoglobin level, white blood cells, and red blood cells as papaya fruit, leaves, and seeds are rich in polyphenolic compounds. Administration of papaya leaf extract in thrombocytopenia is safe and does not tempt the rapid increase in the platelet count or in hematological parameters. It has been demonstrated that papaya leaf extract treatment significantly increases the platelet count in severe thrombocytopenia in dengue.⁴

Supports immune system function

Saponins isolated from *Tribulus* fruits were shown to increase phagocytosis, indicating its ability to stimulate the immune system.

In addition, whole plant extract of *Tribulus* was shown to increase the overall concentration of humoral antibodies as well as demonstrating delayed type hypersensitivity response. Both of these results indicate that *Tribulus* harbors important immunomodulatory activity by increasing a specific immune response⁵.

Antifungal, antimicrobial, and antiviral activities

P. juliflora leaves and fruit extracts showed strong antibacterial activity, including total inhibition of several bacteria and yeasts (*Botrytis cinerea*, *Alternaria alternata*, *Bacillus subtilis*, *Staphylococcus aureus* and *Candida albicans*). It also supported mycelial growth and conidial germination of selected mycotoxins-producing fungi.⁶

Tinosporin from *Tinospora cordifolia* has demonstrated both antiviral agent and immunomodulatory properties. A recent study found that *Tinospora cordifolia*'s therapeutic attributes as an immunomodulator, antiviral, anti-inflammatory, antioxidant and antipyretic may make it useful for the prevention and treatment of COVID-19.⁷

Helps manage thrombocytopenia

When evaluated for antithrombotic activity, *Tinospora cordifolia* demonstrated important activity in inhibiting both thrombin activity and thrombin generation. It also prevented thrombin-induced platelet activation in PAC-1 antibodies (FITC)⁸.

As platelets play an equally important role in thrombus formation, *T. cordifolia* has been examined for its effect on platelets. *T. cordifolia* is also shown to inhibit platelet adhesion on collagen surfaces, suggesting that it may harbor both antiplatelet and anticoagulant effects.⁹

T. cordifolia was demonstrated to significantly increase blood platelet counts significantly in Busulfan-induced thrombocytopenic rabbits. *T. cordifolia* is used in many traditional medicines to treat dengue, dyspepsia, fever, pyrexia and immunomodulation, suggesting that it harbors an important role in promoting platelet production and decreasing platelet destruction.¹⁰

Manages inflammatory mediators

Prosopis extract has significant anti-inflammatory activities which are attributed to its sterol and flavonoid contents. The anti-inflammatory action of Prosopis was shown to be comparable to the pharmaceutical drug indomethacin, although maximum anti-inflammatory effect was also exhibited at a lower dose rate of 200 mg/kg body weight.¹¹ Prosopis also has potential to act as an effective cutaneous wound healing agent.¹²

2 <https://www.ahajournals.org/doi/10.1161/ATVBAHA.120.314645>

3 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3757281/>

4 <https://www.tandfonline.com/doi/full/10.1080/10942912.2021.2019271>

5 <https://www.ajol.info/index.php/ajb/article/view/97701>

6 <https://www.nature.com/articles/s41598-021-86509-3>

7 <https://ijrps.com/index.php/home/article/view/2058>

8 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5855382/>

9 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5855382/>

10 <https://journals.indexcopernicus.com/api/file/viewByFileId/612644.pdf>

11 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4633190/>

12 <https://pubmed.ncbi.nlm.nih.gov/30372859/>



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Tribulus has been shown to suppress proinflammatory cytokines including tumor necrosis factor-alpha (TNF- α) and interleukin (IL)-4 in macrophage cells. This indicates that Tribulus extract inhibits the expression of inflammatory mediators, which can be beneficial for various inflammatory conditions.¹³

Extracts from *T. cordifolia* have been found to inhibit autoimmune disease such as rheumatoid arthritis. Furthermore, it was found to reduce the production of pro-inflammatory cytokines such as interleukin-1 β (IL-1 β), tumor necrosis factor- α , IL-6, and IL-17 in the rat adjuvant-induced arthritis model of human rheumatoid arthritis. Further, the various extract fractions and pure molecules of *T. cordifolia* exhibit anticancer and immunomodulatory activities.¹⁴

Carica papaya extract was found to reduce rat paw edema, granuloma formation, as well as inflammation in formaldehyde-induced arthritis.¹⁵

Scavenges free radicals

Papaya seed contains high phenolic and flavonoid contraction which act as free radical scavengers and metal ion chelators. These phytochemicals were proven to inhibit pro-inflammatory cytokines including TNF- α , IL-6 and monocyte chemoattractant protein-1 (MCP-1) [18,19]. In addition, polyphenols within *Carica papaya* act as free radical scavengers, while also upregulating antioxidant enzyme activities.

No reports of toxicity

In a 2023 toxicity study, DNT 53 was administered in repeated doses over 28 days to Sprague-Dawley rats to evaluate the possible health hazards that may arise from repeated exposure over a short period of time. The animals showed no signs of toxicity or mortality. There were no clinical signs or pre-terminal deaths noted at and up to the high dose period (1000 mg/kg body weight). There were no external or internal pathological changes at any dose levels. DNT 53 is safe to be used alongside standard cancer therapy.

Dosage and how to take

Adults: Take one capsule every four hours or as recommended by your physician. DNT 53 should be taken on an empty stomach.

Safety & Side Effects

DNT 53 has an excellent safety rating, with no reported interactions from the supplement.

DNT 53 is not intended to replace any medication or procedures used to treat cancer, viral infections, or illnesses. Do not discontinue treatment or cancer medications without a doctor's permission.

Women who are pregnant, nursing, or any person who is immune-compromised should consult their physician before using this product. Certain medications may interact with individual ingredients – talk to your doctor if you take any medications.

Disclaimer:

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- Information and statements contained have not been confirmed by additional studies.

13 https://journals.aai.org/jimmunol/article/188/1_Supplement/54.2/50823

14 <https://pubmed.ncbi.nlm.nih.gov/26467057/>

15 <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC8066973/>