



Dor Vextra

Curcumin, Propolis, Inula helenium,
Narcissus, Yarrow Food Supplement



Dor Vextra

DAILY RECOMMENDED USAGE

It is suitable for use by individuals aged 11 and over. Once the box is opened 2 pieces of 30 ml product are consumed at once. Following 10 ml of product is consumed every 6 hours. In the use of new boxes repeat this usage procedures. It is recommended to be consumed on an empty stomach.



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SECONDARY METABOLITES OF MODERN SCIENCE

THE IMPORTANCE OF PHOTOCHEMICALS ISOLATED FROM BIOACTIVE PLANTS IS INCREASING BY NEW

Phytochemical and Pharmacological Importance of Plant Secondary Metabolites in Modern Medicine

Purification and isolation of bioactive compounds from plants is a technique that has undergone new development in recent years.

Plants contain many biologically active compounds referred to as phytochemicals or functional ingredients. Phytochemicals have great antioxidant potential and are of great interest due to their beneficial effects on health of human beings, and they give immense health benefits to the consumers.

CURCUMIN (TURMERIC) *Curcuma longa*



Its structure is inclined to high-level methoxylation and hydrogenation gives curcumin a property that increases the activity of eliminating free radicals. According to Joint FAO/WHO Expert Committee on Food Additives (JECFA) and European Food Safety Authority (EFSA) reports, adequate daily intake (ADI) value of curcumin is a safe for its phytochemical constituents.^{4,5}

PROPOLIS



Propolis is a natural resinous mixture produced by honey bees from substances collected from parts of plants, buds, and exudates. Due to its waxy nature and mechanical properties, bees use propolis in the construction and repair of their hives for sealing openings and cracks and smoothing out the internal walls and as a protective barrier against external invaders. More than 300 compounds such as polyphenols, phenolic aldehydes, sesquiterpene quinines, coumarins, amino acids, steroids and inorganic compounds have been identified in propolis samples.⁶

NARCISSUS (*Calendula officinalis*)



Calendula officinalis is an aromatic, erect, annual herb belong to the family asteraceae, it contained a wide range of chemical constituents including saponins, triterpenes, triterpendiol esters, flavonoids, steroids, tannin, quinines, coumarins, carotenoids, amino acids, polysaccharides, essential and volatile oils and many other chemical groups.^{3,7,8}

Inula

Inula helenium



Elecampane (*Inula helenium*) görsel var. *Inula helenium* contains phenolic acids, terpenes and different flavonoids. Due to the biological activities it's used as a new pharmaceutical compound. Sesquiterpene lactones (SLs) are an important group of

12,13

YARROW

Achillea biebersteinii



Contains phenolic and total flavonoids.

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Includes sweetener.

Actives	Daily Dossage (60ml)	Actives	Daily Dossage (60ml)
Pure Propolis	80 mg	Inula Helenium Extract	640 mg
Narcissus Extract	550 mg	Narcissus Extract	440 mg
Curcumin Extract	40 mg	Yarrow	200 mg
		Curcumin Extract	32 mg

Composition for 30 ml

Deionized water, Bulking agent: Glycerin, Propolis extract, Narcissus (*Calendula officinalis*) extract, Preservatives: Potassium sorbate, Sodium benzoat, Flavoring: Orange, Curcumin (*Curcuma longa*) extract, Sweetener: Sucralose

Composition for 60 ml

Deionized water, Bulking agent: Glycerin, Inula helenium extract, Narcissus (*Calendula officinalis*) extract, Yarrow (*Achillea millefolium*), Stabilizer: Xanthan gum, Preservatives: Potassium sorbate, Sodium benzoat, Flavoring: Lemon, Curcumin (*Curcuma longa*) extract, Sweetener: Sucralose

SOURCE

FOOD SUPPLEMENT APPROVAL NUMBER: 015153-11.11.2022

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² Twain ve Hasan (2022). Bioactive secondary metabolites from plant Sources: Types, synthesis, and their therapeutic use. *Int. J. Plant Biol.*, 13:4-14

³ Cruceiru ve ark. (2018). *Calendula officinalis*: Potential roles in cancer treatment and palliative care

⁴ Spiridon ve ark. (2013). Antioxidant and chemical properties of *Inula helenium* root extracts. *Cent. Eur. J. Chem.* • 11(10) • 2013 • 1699-1709

⁵ Butnariu ve Coradini (2012). Evaluation of Biologically Active Compounds from *Calendula officinalis* Flowers using Spectrophotometry. *Chemistry Central Journal* 6:35

⁶ Ashwlayan ve ark. (2018). Therapeutic Potential of *Calendula officinalis*. *Journal Pharm Pharmacol Int J.* 2018;6(2):149-155

⁷ Küşümler ve Çelebi (2021). Propolis ve Sağlık Üzerine Etkileri. *Ekoloji Gıda* 19(1) (2021) 89-97

⁸ Hewling ve Kalman (2017). Curcumin: A review of its effects on human health. *Foods* 6:92

⁹ Kocaadam ve Şanlıer (2017). Curcumin, an active component of turmeric (*Curcuma longa*), and its effects on health. *Critical Reviews in Food Science and Nutrition* 57(13):2889-2895

¹⁰ Yan ve ark. (2020). Active ingredients of *Inula helenium* L. Exhibits similar anti-cancer effects as isolaantolactone in pancreatic cancer cells

¹¹ Zheng ve ark. (2021). Bioactive sesquiterpenes from *Inula helenium*. *Bioorganic Chemistry*, 114

¹² Varasteh-kojournan ve ark. (2017). Antioxidant, cytotoxic and DNA protective properties of *Achillea eriophora* DC and *Achillea biebersteinii* Afan. extracts: A comparative study. *AJP*, 7:2

¹³ Doğan ve Meydan (2021). Antioxidant effect of *Achillea biebersteinii* in different Extracts and Extinguishing Activity on DPPH. *Journal of Agriculture* 4(1): 1-9, 2021