





Faryar Pharma

In today's world, health-related fields have gained significant importance worldwide, and their services and products are offered on a wide scale. The present century is marked by the rapid prevention, diagnosis, and treatment of many diseases thanks to the dissemination of knowledge and information.

Prevention and treatment with **natural**, **technological**, **and innovative products** are processes of particular importance among current researchers. Many producers of pharmaceuticals, supplements, food industries, and cosmetics are inclined to use natural products in their production processes.

This catalogue provides you with an initial and general overview of Faryar Pharma's activities in the production of natural products. We have an extensive portfolio that may not be fully described in this catalogue. If you have any questions or wish to place an order, we would be delighted to hear from you via the following methods:

info@faryarco.com WhatsApp:+989306092803



Faryar Pharma>s Expertise and Achievements

While scientists worldwide are exploring new natural and herbal products with valuable properties for human health, in many cases, these products, despite their high potential, are not extracted in suitable quantities or with sufficient purity. Often, the produced products have unwanted compounds, unpleasant odours, subpar quality, and stability issues.

This is where Faryar Pharma's technological expertise comes into play: the innovative extraction and recovery methods we employ allow for selective and efficient extraction of natural products for industrial-scale production. With this technology, we use high-potency natural raw materials, in the form of extracts or pure substances, for pharmaceutical, cosmetic, and food markets. This technology empowers manufacturers to offer innovative health, beauty, and wellness products of excellent quality in the market.

So far, with our products and services, we have assisted many individuals, including those who have experienced side effects due to the consumption of animal or chemical-based products and those who have adopted a vegetarian lifestyle. In general, it can be claimed that turning to nature to produce pharmaceuticals, cosmetics, and food industries, with due consideration for environmental protection, is a highly favourable choice in various industries.

Many plants with remarkable properties have the potential for use in various applications, including stress-relief herbal



supplements, appetite stimulants, diuretics, mood enhancers, relaxants, various vitamins, and more. Extracts of these plants are commonly used in the pharmaceutical, food, cosmetic, and health industries. Preserving the health of medicinal plants in agriculture is of special importance. Ensuring that these plants are not contaminated with various fungi, parasites, chemicals, etc., should be carefully considered before using them in production.



Faryar Pharma takes pride in producing its standardized extracts in various forms with very high purity and makes them available to esteemed customers:

- 1. Standard Granules with Core Coating Granulation (CCG) Technology
- 2. Liquid Extract (Hydroalcoholic, Distilled)
 - 3. Powder



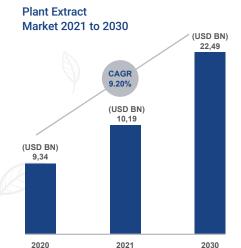
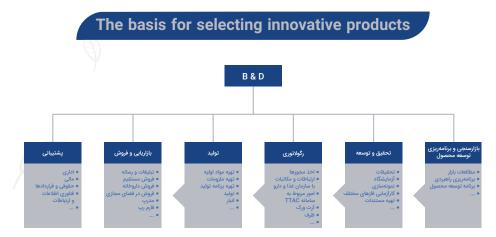


Figure 1: The Growing Market of Herbal Drug Production Worldwide

In our facility, we have the capability to produce various natural products based on the requests of different industries. In the following section, only a brief introduction to a small portion of these products is provided.

At Faryar Pharma, we have the capability to extract extracts from the roots, leaves, bark, fruit, seeds, wood, and other parts of plants.









Technology in Use

In the preparation of Faryar Pharma products, CCG technology is employed. In this technology, product components are individually coated, preventing unwanted interactions between them. This capability eliminates the likelihood of sensitivities that can result from these interactions in many drugs or dietary supplements. In drugs produced using raw materials prepared with CCG technology, in fact, every particle can be considered an independent drug; this means that if the drug is crushed and broken, we are still faced with a coated active substance. CCG technology helps with better and more precise digestion and absorption of drugs in the digestive system. Furthermore, the coatings used in this technology prevent individuals from experiencing the taste and smell of the active substance and improve swallowing as well.





Faryar Pharmass Goals and Vision

Today, humanity, by returning to the embrace of nature, aims to create valuable, effective, and low-impact products from a wide range of plants. These efforts have manifested in various forms across different industries, including the production of various medicines, foods, cosmetics, healthcare products, textiles, and more.

The use of natural substances and derivatives, given their lower toxicity and fewer side effects compared to chemical substances, provides the opportunity for better nutrition and, in many cases, improved prevention and treatment for individuals. It appears that, based on conducted studies and research, humanity is at the beginning of a clear path towards the advancement and improvement of herbal medicines for the prevention and treatment of more serious diseases. Additionally, the application of plants in the food industry should not be overlooked, as awareness in this area is crucial due to the growing trend of plant-based foods worldwide. Faryar Pharma is committed to meeting a significant portion of the various industries' needs for raw medicinal materials by producing standard extracts in various forms (granules, powders, liquids, etc.).

This is done while intelligently utilizing natural resources, respecting the environment and nature, and transforming into the first major producer and exporter of standard granule extracts with CCG technology in the Middle East.

Of course, these are scientific and commercial goals. Beyond these matters, we are dedicated every day to pursuing "achieving progress and innovation" and helping people "improve their lives." In fact, Faryar Pharma aims to achieve maximum consumer satisfaction with its products and become one of the most beloved brands in the region and beyond.

8 faryarco.com (V) faryarco.com 9



Scientific name	Product name	Scientific name	Product name
Lavandula	Lavender Extract	Mentha	Mint Extract
Crocus sativus	Saffron Extract	Salvia officinalis	Sage Extract
Echinacea purpurea	Echinacea Extract	Melissa officinalis	Lemon Balm Extract
Thymus vulgaris	Thyme Extract	Elettaria cardamomum	Cardamom Extract
Matricaria chamomilla	Chamomile Extract	Glycyrrhiza glabra	Tase Masked Liquorice Extract
Aloysia citriodora	lemon verbena Extract	Silybum marianum	Silymarin Extract
Citrus aurantium	Neroli Extract	Boswellia serrata	Boswellia Extract
Hibiscus sabdariffa	Hibiscus tea	Foeniculum vulgare	Fennel Extract
Camellia sinensis	Green tea Extract	Trachyspermum ammi	Ajwain Extract
Cinnamomum verum	Cinnamon Extract	Cuminum cyminum	Cumin Extract
Zingiber officinale	Ginger Extract	Carum carvi	Caraway Extract
Valeriana officinalis	Valerian Extract	Pimpinella anisum	Anise Extract
Borago officinalis	Borage Extract	Stevia rebaudiana	Stevia Extract
Rosa rubiginosa	Rosa Extract	-	Hydrolyzed collagen



Scientific name	Product name	Scientific name	Product name
-	Nano Curcumin Powder	Allium sativum	Garlic Essential oil
-	Nano Curcumin Pellet	Lavandula	Lavender Essential oil
- 8	Curcumin Nano Emulsion	Camellia sinensis	Green Tea Essential oil
-	Hyaluronic Acid	Geranium	Geranium Essential oil
Thymus vulgaris	Thyme Essential oil	Achillea millefolium 'Pink Grapefruit'	Tutti Frutti Flavor
Satureja hortensis	Savory Essential oil	Vitis vinifera	Grape seed oil
Citrus sinensis	Orange Essential oil	Olea europaea	Olive Essential oil
Mentha	Mint oil Essential oil	Punica granatum	Pomegranate Essential oil
Mentha piperita	Peppermint Essential oil	Linum usitatissimum	Flax Seed oil
Citrus bergamia	Bergamot Essential oil	Fragaria x ananassa	Strawberry Flavor
Artemisia dracunculus	Tarragon Essential oil	=	Cappuccino Flavor
Ocimum basilicum	Basil Essential oil	-	Caramel Flavor
Citrus limon	Lemon Essential oil	Musa	Banana Flavor
Salvia rosmarinus	Rosemary Essential oil	Zingiber officinale	Ginger Flavor

10 faryarco.com



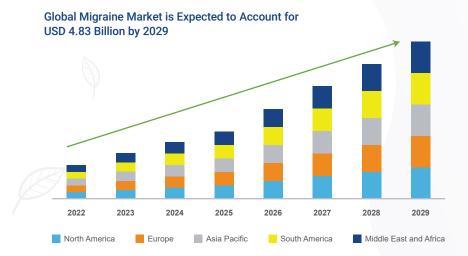
Migraine Headache Reducer: This extract is used in herbal medicines as a significant reducer of migraine (and non-migraine) headaches. Furthermore, since many digestive problems and stomach pains are caused by emotional and nervous factors, lavender extract can be practical in reducing the severity of these issues and creating a sense of calmness in the minds and bodies of patients. Therefore, it can be claimed that lavender extract also has the potential to have a positive effect on psychological disorders.

Among other applications of lavender, it can be used to reduce trembling and dizziness resulting from falls.

Application in the Food Industry

Lavender is used as a spice when cooking meat, fish, poultry, sauces, soups, salads, and, due to its pleasant aroma, it is used in baking various pastries, ice creams, and beverages.





Graph 1: Market Growth Outlook for Migraine Treatments by 2023; the increasing trend in this market indicates that there will be a growing need for drugs and treatments in this field in the future.

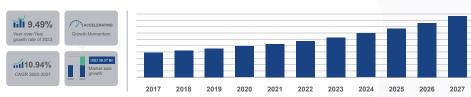




- 1. Blood Sugar Control: Studies show that ginger consumption has the potential to have a positive effect on blood sugar levels. Type 2 diabetes patients who use ginger may have better control over their blood sugar.
- 2. Cancer Risk Reducer: Ginger, being rich in antioxidants, has the potential to reduce the risk of gastrointestinal cancers.
- 3. Osteoarthritis Pain Reducer.
- 4. Menstrual Pain Reducer.
- 5. Weight Reducer: Ginger can help individuals who intend to lose weight due to its ability to stimulate fat breakdown pathways.



Market Size Outlook (USD Billion)



2017: USD 39.45

Graph 2: Market Status of Diabetes Treatments Worldwide; considering ginger's potential to lower blood sugar levels, it seems that this extract will gain even more importance in the future.

Application in the Food Industry

Ginger is used as a potent spice in the food industry, applied in sauces, meat dishes, seafood, beverages, and desserts. Additionally, ginger is used as a coagulant in the production of cheese without whey.



- 1. Anti-Inflammatory: Chamomile extract possesses potent anti-inflammatory properties and can help reduce inflammation and related pains. This property has made it useful in treating some inflammatory conditions such as joint inflammation, intestinal inflammation, and skin inflammation.
- 2. Relaxant: Chamomile has soothing properties and can help reduce stress and anxiety, improve sleep, and alleviate related disorders.
- 3. Antispasmodic: Chamomile has antispasmodic properties and can be effective in reducing muscular contractions and gastrointestinal spasms.
- 4. Bronchitis Treatment: Chamomile can be effective in treating bronchitis and its symptoms, making it suitable for relieving coughs and breathlessness.
- 5. Antiseptic: Chamomile extract has antiseptic properties and can be effective in treating skin infections and respiratory tract infections.
- 6. Pain Reliever: Chamomile extract can be effective in relieving muscle and joint pains, headaches, and stomach aches.

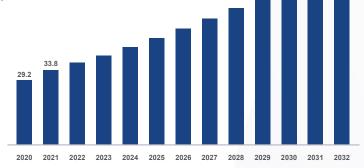




anti-inflammatories will also

2020 - 2031 (USD Billion)

U.S. Anti-Inflammatory Market Size,



Application in the Food Industry

Some types of chamomiles are used as preservatives in the food industry.

Application in Cosmetics and Personal Care

Chamomile is used in detergents, perfumes, creams, lotions, and more. This compound is a natural antioxidant, making its use in cosmetics and personal care products desirable.

faryarco.com 17

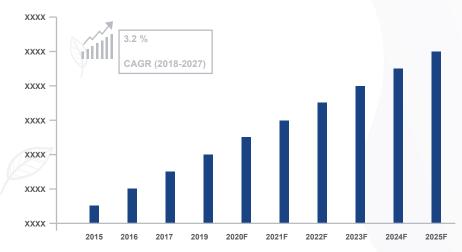


- 1. Antimicrobial: Eucalyptus has powerful antimicrobial properties and can be effective in fighting bacteria, fungi, and viruses.
- 2. Anti-Inflammatory: This plant has anti-inflammatory properties that can help reduce inflammation and related pains. This property makes it useful in treating some inflammatory diseases such as arthritis, joint inflammation, and muscle inflammation.

 3. Cold Relief: Eucalyptus can be effective in treating colds and
- their symptoms, making it suitable for relieving coughs and dizziness.
- 4. Pain Reliever: Eucalyptus extract can be effective in relieving muscle and joint pains, headaches, and stomach aches.
- 5. Antispasmodic: The antispasmodic properties of this plant can help reduce muscular contractions and respiratory system spasms.
- 6. Relaxant: Due to its soothing properties, eucalyptus can be effective in reducing stress and anxiety, improving sleep, and reducing sleep disorders.
- 7. Blood Sugar Regulation: Eucalyptus is beneficial for regulating blood sugar levels in individuals with type 2 diabetes.



Global Pediatric Influenza Treatment Market Size In the Forecast Period (2018-2027)



Graph 4: Influenza Treatment Market Chart. Since influenza is common and its treatment is widespread, the use of eucalyptus as an effective extract for treating this disease is significant.

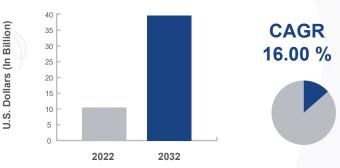
faryarco.com 19



- 1. Weight Reduction: Cinnamon increases body temperature, boosting metabolism and, consequently, reducing weight. This substance, by reducing appetite, encourages individuals to consume fewer unnecessary snacks.
- 2. Blood Sugar Reduction: In individuals with type 2 diabetes, cinnamon can significantly lower blood sugar levels.
- 3. Skin Rejuvenation: As people age, the collagen levels in their skin decrease, leading to wrinkles and fine lines. Cinnamon, by promoting collagen synthesis, helps maintain youthful skin.
- 4. Nervous System Relaxation (Sedative) and Brain Activity Enhancement.
- 5. Digestive Aid (Relieves Bloating and More).



Obesity Treatment Market Size, 2022-2032



Graph 5: Chart of the Obesity-Related Treatment Market. The growth in this market indicates the importance of weight-reducing compounds in the world.

Application in the Food Industry

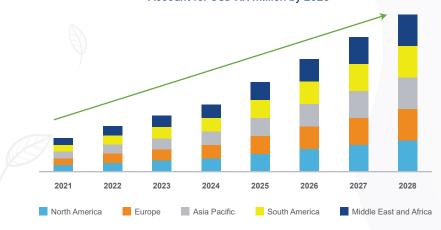
Cinnamon is used as a flavourful and aromatic spice in rice, meat, and vegetarian dishes. Additionally, it is used in the production of pastries, chocolate factories, beverages, and more.



- 1. Blood Pressure Regulator: Violet flowers contain significant amounts of flavonoids and alkaloids, making them capable of preventing high blood pressure and promoting diuresis.
- 2. Cold Improvement: This plant can reduce inflammation in the throat and reduce inflammation, making it suitable for dry cough and ear infections.
- 3. Anti-Inflammatory and Fever Reducer: Violet flowers can reduce inflammation caused by sinus infections, bronchitis, and lower fever.
- 4. Cough Relief: Violet flowers can help alleviate mucus and improve coughing.



Global High Blood Pressure Treatment Market is Expected to Account for USD XX Million by 2028



Graph 6: Global High Blood Pressure-Related Treatment Market Status Chart; the increasing trend in this market indicates the importance of blood pressure-regulating compounds.



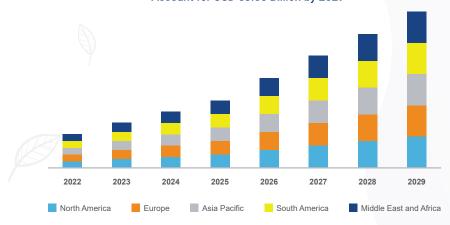
- 1. Anti-Inflammatory
- 2. Menstrual Pain Relief
- 3. Increased Milk Production in Mothers
- 4. Hormone Regulation in Women: Fennel is rich in phytoestrogens and can be useful in estrogen production and hormonal regulation in women.
- 5. Diuretic
- 6. Antispasmodic
- 7. Antibacterial
- 8. Relaxant
- 9. Effective for Skin Cleansing

Application in the Food Industry

Fennel is used in the preparation of herbal teas and infusions, as well as in various sweets and dishes.



Global Hormone Replacement Therapy Market is Expected to Account for USD 53.55 Billion by 2029



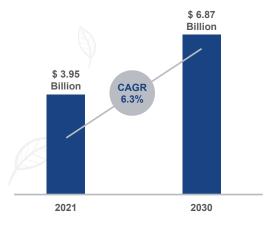
Graph 7: Hormone Therapy Market Worldwide; the growing trend in hormone therapy worldwide indicates the increasing importance of compounds and products in this field.



- 1. Antioxidant: Ginseng is a potent antioxidant that can significantly reduce inflammation. It can also be effective in preventing cancer and combating oxidative stress-related fatigue.
- 2. Libido Enhancer: This plant can increase estrogen and testosterone production, enhancing sexual desire.
- 3. Skin Rejuvenation: Ginseng, with its antioxidant properties, can reduce free radicals and delay skin aging, wrinkles, and fine lines.
- 4. Menstrual Pain Relief



Global Antioxidant Market



Graph 8: Growing Use of Antioxidants in the Market, the widespread growth and trend in this market highlight the importance of compounds and products in this field.

Application in the Food Industry

Ginseng is used in the preparation of various soups, salads, and is roasted for use in dietary applications. Additionally, ginseng root is used for culinary purposes. Preparing herbal tea and extracts from this plant is also common.



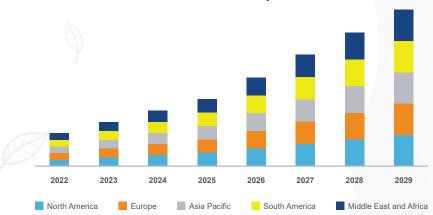
- 1. Antidepressant: Saffron, due to containing safranal and crocin, has antidepressant properties. Safranal also has antioxidant properties, contributing to cancer prevention.
- 2. Promotes Relaxation During Sleep
- 3. Helps Regulate Premenstrual Syndrome (PMS) Symptoms
- 4. Strengthens the Heart and Blood Circulation

Application in the Food Industry

Saffron, with its crocin content, provides a high level of colouring ability and is used in various fields such as the textile industry (for dyeing expensive fabrics like silk), and more.







Graph 9: Rising Consumption Rate of Antidepressants; considering the role of saffron in improving depression, it appears that the production of saffron extract aligns with the demand for antidepressant drugs.



Applications in Perfumery

In perfume companies, combining saffronal from saffron with other essences creates highly desirable scents.

Applications in Food Colouring

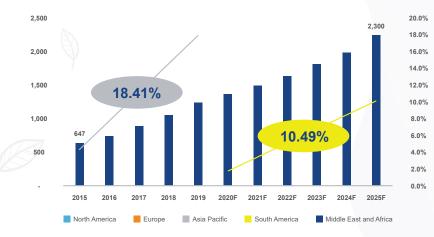
Saffron, with its crocin content, provides a high level of colouring ability and is used in various fields such as the textile industry (for dyeing expensive fabrics like silk), and more.

Preservation and Maintenance of Sensitive Historical Artifacts

Using saffron can prevent damage to ancient and historical artifacts caused by fungi and more. Additionally, saffron is used to stabilize prints made by laser printers.



Ghana: Pastry and Cakes Market Value(million USD)



Graph 10: Given the growth of the confectionary industry and the prominent role of saffron in this sector, it can be asserted that the extract of this plant holds particular significance within the confectionary industry.



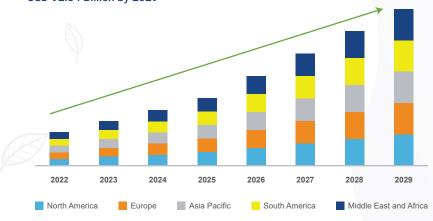
- 1. Muscle and Toothache Relief: Cloves have long been effective in relieving toothaches and severe oral pain, making them particularly important due to the common dental issues that often lead to intense and exhausting pain.
- 2. Strong Antioxidant
- 3. Antibacterial

Application in the Food Industry

Clove is used as a pungent and sharp spice in various seafood, stews, soups, sauces, salads, and dressings.







Graph 11: Pain Relief Market Status Chart; dealing with toothaches is one of the most common pain relief needs, and clove's significance in this area is evident.



- 1. Chronic Inflammation Remedy
- 2. Antioxidant
- 3. Anti-Inflammatory for Joints
- 4. Wound Healing: Turmeric, thanks to curcumin, can help stop bleeding, dry wounds, and aid in their healing.

Application in the Food Industry

This colourful and flavourful spice is used in various soups, stews, dishes, prepared foods, meat and vegetable dishes, rice, snacks, and more.





Graph 12: Wound Care Market Status Chart; this chart indicates that wound care is a growing market, emphasizing the importance of turmeric's properties in wound healing.



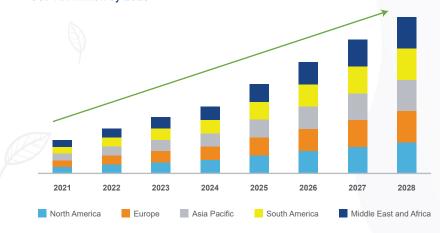
- 1. Cold Treatment
- 2. Vaginal Infection Improvement: Studies have shown that creams containing thyme can play a significant role in improving vaginitis.
- 3. Hair Loss Improvement: Thyme can address hair loss and improve it.
- 4. Accelerates the Weight Loss Process

Application in the Food Industry

- 1. The issue of oil stability, in terms of maintaining properties and quality, is crucial. Studies have shown that the presence of thyme can help preserve the stability of sunflower oil and prevent oxidation.
- 2. It is widely used as a flavouring in various foods, including soups, stews, dishes, ready-made foods, meat, vegetables, rice, and snacks.



Global Vaginitis Therapeutics Market is Expected to Account for USD XX Million by 2028



Graph 13: Vaginitis Products and Services Market Status Chart; this chart shows that thyme's applications are highly relevant in dealing with vaginitis.

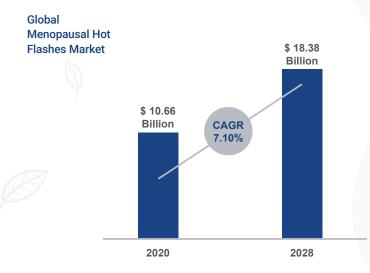


- 1. Anti-Wrinkle in Menopausal Women: Studies suggest that lavender can reduce the severity and frequency of wrinkles in menopausal women.
- 2. Anti-Anxiety: This plant can help reduce anxiety in individuals and increase serotonin in their bodies.
- 3. Insomnia Improvement: Lavender can be used to reduce sleep disturbances in people suffering from insomnia.
- 4. Blood Pressure Regulator

Application in the Food Industry

Valerian is used in combination with other herbs as herbal tea.





Graph 14: Anti-Wrinkle Products for Menopausal-Related Wrinkles Market Status Chart; the growing trend in this area highlights the possibility of producing products to combat such wrinkles.



- 1. Sore Throat Relief: Sage leaf infusion is used to treat sore throats and tonsillitis.
- $2. \ Hormone \ Regulation: Sage contains high levels of phytoestrogens, which can help regulate estrogen levels in the body. This is particularly important for reducing menopausal symptoms in women.\\$
- 3. Stress Reduction: Consumption of this plant can significantly reduce stress levels.
- 4. Digestive Aid: Sage can increase gastric juice secretion, aiding digestion.
- 5. Premature White Hair Prevention: The use of Sage extract can prevent premature greying of hair.
- 6. Acne Improvement: Sage extract can be used to improve acne-prone skin.



Global Hair Care Market

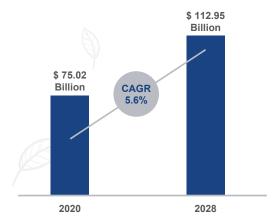


Chart 15: World Hair Care Market Status Chart: The growing trend in the hair care market indicates the potential for increased use of compounds in this field.

Application in the Food Industry

Sage is used as a seasoning in various foods alongside other herbs like parsley, thyme, and rosemary.





- 1. Anti-Inflammatory and Antiviral:
 Basil, due to its high anti-inflammatory and antiviral
 effects, is highly effective in treating skin conditions like
 herpes simplex (cold sores).
- 2. Weight Management
- 3. Calming Agent
- 4. Anti-Spasmodic
- 5. Antibacterial
- 6. Improvement in Digestion
- 7. Premature White Hair Prevention



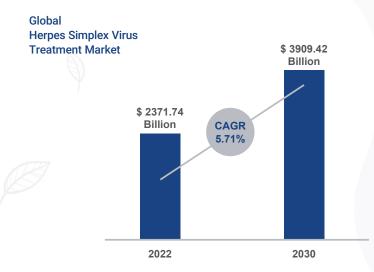


Chart 16: Market Status Chart of Herpes Simplex Virus (Cold Sore) Treatment: The extensive market for herpes simplex virus treatment indicates the importance of antiviral compounds.

faryarco.com 43



- 1. Asthma Relief: Studies indicate that cardamom consumption can effectively relax airway tissues, providing relief in asthma symptoms.
- 2. Heart Rate Regulation
- 3. Cardamom can reduce heart rate and lower high blood pressure.
- 4.Anti-Depressant
- 5. Improvement in Urinary Disorders
- 6. Digestive Health Improvement: Preventing gastric reflux and more.
- 7. Diuretic: Cardamom is a diuretic and can be effective in reducing the risk of high blood pressure.



Global Urological Disorders Drugs Market

Market forecast to grow at a CAGR of 5.9%

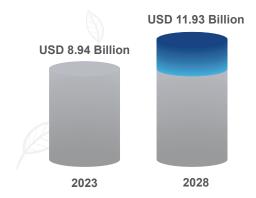


Chart 17: Urology Medications Market Status Chart: The vastness of the urology market suggests that compounds affecting this system can be significantly important.

Application in the Food Industry

Cardamom is used in the food industry for flavoring various products such as pastries, jams, bread, and is a common spice for flavoring beverages and foods. It is also used in the production of products like gums.





- 1. Triglyceride Reduction: Green tea contains catechins, which can reduce the breakdown of fat into absorbable parts by inhibiting pancreatic lipase.
- 2. Blood Pressure Reduction
- 3. Weight Loss: The significance of green tea as a weightloss agent is undeniable and is highly valued by those seeking weight loss.

Global Neuroprotective Agents Market

Market Size at a CAGR of 6.70%

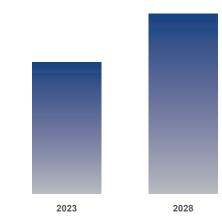


Chart 18: Neuroprotective System Market Status Chart: Given the extensive market, compounds that affect this system may be of considerable importance.

faryarco.com 47



- 1. Antiviral
- 2. Gastrointestinal Problem Alleviation: Mint aids digestion, helping with gastrointestinal issues.
- 3. Breath Freshener: Mint is an effective mouth freshener and inhibits bacterial growth in the mouth.
- 4. Liver Fat Improvement
- 5. Antimicrobial

Application in the Food Industry

Mint is used in the dairy industry to enhance the taste of products like yogurt and buttermilk. It is also commonly used to flavour beverages and foods. In the production of products like gum, mint is used for its refreshing flavour.



Oral Care Market 2021 to 2030



Chart 19: Oral and Dental Care Market Status Chart: The expansion of this market may indicate potential for mint compounds to be used in these services and products.



- 1. Antioxidant and Anti-Cancer
- 2. Anti-Inflammatory
- 3. Antiviral
- 4. Antibacterial
- 5. Antifungal
- 6. Preventative Measures for Psoriasis Flare-Ups
- 7. Liver Health Improvement
- 8. Antidepressant
- 9. Urinary Disorders Improvement





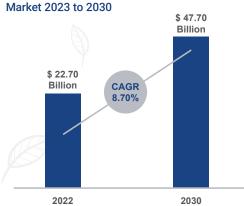


Chart 20: Psoriasis Treatment Market Status Chart: The expansion of this market may suggest that compounds effective in treating this condition can be highly significant.

Cosmetic and Personal Care Industry

- 1. In Acne Products
- 2. In Shampoos for Dandruff Prevention

Application in the Food Industry

Garlic extract is an important ingredient for enhancing the taste and aroma of processed foods like sausages and meat products.





Faryar Pharma Services

We produce high-quality active pharmaceutical ingredients and standardized herbal extracts.

The identification and testing of our produced extracts are carried out using advanced spectroscopic and chromatographic methods,

It's worth noting that upon product delivery, all relevant documentation will be provided to the customer.









ایران، تهران، دروس، خیابان هدایت، شماره ۷۶، واحد ۱ Unit 1 , No. 76, Hedayat St., Darous, Tehran, IRAN Postal code: 1533853615 Tel: +98 21 966 21 418 Email: info@faryarco.com Web: faryarco.com

