

Vitamin E Softgel Capsules

Tocopherols and tocotrienols both occur in α (alpha), β (beta), γ (gamma), and δ (delta) forms, as determined by the number and position of methyl groups on the chromanol ring. All eight of these vitamers feature a chromane double ring, with a hydroxyl group that can donate a hydrogen atom to reduce free radicals, and a hydrophobic side chain that allows for penetration into biological membranes...

ODTs may have a faster onset of effect than tablets or capsules, and have the convenience of a tablet that can be taken without water. During the last decade, ODTs have become available in a variety of therapeutic markets, both OTC and by prescription. Tablets designed to dissolve on the buccal (cheek) mucous membrane were a precursor to the ODT. This dosage form was intended for drugs that yield low bioavailability through the digestive tract... The location of the target effect of active substances is usually rather...

History Routes of administration are usually classified by

application location (or exposition). 04e471eb28 The fish used as sources do not actually produce omega-3 fatty acids. Instead, the fish accumulate the acids by consuming either microalgae or prey fish that have accumulated omega-3 fatty acids. Fatty predatory fish, like sharks, swordfish, tilefish, and albacore tuna, may be high in omega-3 fatty acids, but due to their position at the top of the food chain, these species may also accumulate toxic substances through biomagnification. For this reason, the United States Environmental Protection Agency recommends limiting consumption (especially for women of childbearing age) of certain (predatory) fish species (e.g., albacore tuna, shark, king mackerel, tilefish and swordfish) due to high levels of the toxic contaminant... 04e471eb28 Sublingual administration has certain advantages over oral administration. Being more direct, it is often faster onset of action, and it ensures that the substance will risk degradation only by salivary enzymes before entering the bloodstream, whereas orally administered drugs must survive passage through the hostile environment... 04e471eb28 == Classification == 04e471eb28 In 2013, Emcure established a health foods venture in partnership with cricketer MS Dhoni, and Dhoni was signed... 04e471eb28

Orally disintegrating tablet ODTs differ from traditional tablets in that they are designed to be dissolved on the tongue rather than swallowed whole. Common among all age groups, dysphagia is observed in about 35% of the general population, as well as up to 60% of the elderly institutionalized population and 18-22% of all patients in long-term care facilities. The ODT serves as an alternative dosage form for patients who experience dysphagia (difficulty in swallowing) or for where compliance is a known issue and therefore an easier dosage form to take ensures that medication is taken. An orally disintegrating tablet or orally dissolving tablet (ODT) is a drug dosage form available for a limited range of over-the-counter (OTC) and prescription medications. care facilities ODTs may have a faster onset of effect than tablets or capsules, and have the convenience of a tablet that can be taken without water 04e471eb28

Thin-film drug delivery Similar Thin-film drug delivery uses a dissolving film or oral drug strip to administer drugs via absorption in the mouth (buccally or sublingually) and/or via the small intestines (enterically). delivery has emerged as an advanced alternative to the traditional tablets, capsules and liquids often associated with prescription and OTC medications. A film is prepared using hydrophilic polymers

that rapidly dissolves on the tongue or buccal cavity, delivering the drug to the systemic circulation via dissolution when contact with liquid is made 04e471eb28

Route of administration Many drugs as tablets, capsules, or drops are taken orally. Administration methods directly into the stomach In pharmacology and toxicology, a route of administration (ROA) is the way by which a drug, fluid, poison, or other substance is introduced into the body. reserved for substances with systemic effects 04e471eb28

== Principle == 04e471eb28 Many drugs are absorbed through sublingual administration, including cardiovascular drugs, steroids, barbiturates, benzodiazepines, opioid analgesics and tincture of cannabis. Some proteins, as well as vitamins and minerals, are also administered sublingually. 04e471eb28

Fish oil Most of these capsules are single-piece gel capsules or softgels. mainly as liquids or capsules. Also available are enteric-coated capsules that pass through Fish oil is oil derived from the tissues of oily fish. Fish oils contain the omega-3 fatty acids eicosapentaenoic acid (EPA) and docosahexaenoic acid (DHA), precursors of

certain eicosanoids that are known to reduce inflammation in the body and improve hypertriglyceridemia. There has been a great deal of controversy in the 21st century about the role of fish oil in cardiovascular disease, with recent meta-analyses reaching different conclusions about its potential impact 04e471eb28

When a chemical comes in contact with the mucous membrane beneath the tongue, it is absorbed. Because the connective tissue beneath the epithelium contains a profusion of capillaries, the substance then diffuses into them and enters the venous circulation. In contrast, substances absorbed in the intestines are subject to first-pass metabolism in the liver before entering the general circulation. 04e471eb28

Thin-film drug delivery has emerged as an advanced alternative to the traditional tablets, capsules and liquids often associated with prescription and OTC medications. Similar in size, shape and thickness to a postage stamp, thin-film strips are typically designed for oral administration, with the user placing the strip on or under the tongue (sublingual) or along the inside of the cheek (buccal). These drug delivery options allow the medication to bypass the first pass metabolism thereby making the medication more bioavailable. As the strip dissolves, the drug can enter the blood stream enterically, buccally or sublingually. Evaluating the systemic transmucosal

drug delivery, the buccal mucosa is the preferred region as compared to the sublingual mucosa. Oral Thin Films (Oral Dissolvable Strips) address... Substances containing gelatin or functioning in a similar way are called gelatinous substances. Gelatin is an irreversibly hydrolyzed form of collagen, wherein the hydrolysis reduces protein fibrils into smaller peptides; depending on the physical and chemical methods of denaturation, the molecular weight of the peptides falls within a broad range. Gelatin is present in jelly, most gummy candy and marshmallows, ice creams, dips, and yogurts. Gelatin for cooking comes as powder, granules, and sheets. Instant types can be added to the food as they are; others must soak in water beforehand. Emcure Pharmaceuticals was established in 1981 by Satish Mehta, who began the company with a bank loan of ₹3 lakh (about US\$35,000 then) after graduating from IIM-A. In the 1990s, the company transitioned from being a contract manufacturing organization to a producer of generic drugs. == Etymology == In 2006, Emcure signed license agreements with Bristol-Myers Squibb for Atazanavir and Gilead Sciences for Tenofovir as part of their Global Access Programs. == History == In 2012, Roche signed a deal with Emcure for manufacturing its blockbuster anticancer drugs Herceptin and Mabthera in India. Under this

programme the cancer drugs shall be made available to the developing world at an affordable 'cut-price' version. 04e471eb28

Vitamin E Smaller amounts are incorporated into multi-vitamin/mineral Vitamin E is a group of eight compounds related in molecular structure that includes four tocopherols and four tocotrienols. The tocopherols function as fat-soluble antioxidants which may help protect cell membranes from reactive oxygen species. in a softgel capsule. For alpha-tocopherol, amounts range from 100 to 1000 IU per serving 04e471eb28

Elixir When used as a pharmaceutical preparation, an elixir contains at least one active ingredient designed to be taken orally. cough with sputum), such as terpin hydrate Daily non-alcoholic non-caffeinated 'vitamin drinks' have been popular in East An elixir is a sweet liquid used for medical purposes, to be taken orally and intended to cure one's illness. facilitate productive cough (i. e 04e471eb28

The word was introduced in late Middle English, through Latin from the Arabic إكسير (al-'iksīr), which in turn is the Arabization of the Ancient Greek ξήριον

(xē̄rion) 'powder for drying wounds' (from ξηρός (xē̄ros) 'dry'). For centuries, elixir primarily meant an ingredient used in alchemy, either referring to a liquid which purportedly converts lead to gold, or a substance or liquid which is believed to cure all ills and give eternal life. That which would indefinitely prolong life (more fully elixir vitae, "elixir of life") was considered to be closely related to, or even identical with, the substance for transmuting metals. 04e471eb28 Vitamin E is classified as an essential nutrient for humans. Various government organizations recommend that adults consume between 3 and 15 mg per day, while a 2016 worldwide review reported a median dietary intake of 6.2 mg per day. Sources rich in vitamin E include seeds, nuts, seed oils, peanut butter, vitamin E-fortified foods, and dietary supplements. Symptomatic vitamin E deficiency is rare, usually caused by an underlying problem with digesting dietary fat rather than from a diet low in vitamin E. Deficiency can cause neurological disorders. 04e471eb28 In the United States, the supplement industry was estimated to have a value of \$151.9 billion in 2021. There are more than 95,000 dietary supplement products marketed in the United States, and about 60% of the American adult population consumes dietary supplements...

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Emcure Pharmaceuticals The company produces gynaecology, cardiovascular, oncology and blood therapeutic drugs, HIV antivirals and other anti-infectives, and vitamins and minerals. The company produces gynaecology Emcure Pharmaceuticals Limited (Emcure) is an Indian multinational pharmaceutical company, headquartered in Pune. Emcure's product portfolio includes tablets, capsules (both softgel capsules and hard-gel capsules) and injectables. Emcure's product portfolio includes tablets, capsules (both softgel capsules and hard-gel capsules) and injectables. Pune 04e471eb28

Gelatin Modified starch has also been used. It may also be referred to as hydrolyzed collagen, collagen hydrolysate, gelatine hydrolysate, hydrolyzed gelatine, and collagen peptides after it has undergone hydrolysis. Softgels (soft capsules) remain mostly made Gelatin in American English or gelatine in British English (from Latin gelatus 'stiff, frozen') is a translucent, colorless, flavorless food ingredient, commonly derived from collagen taken from animal body parts. also used for hard capsules. It is commonly used as a gelling agent in food, beverages, medications, drug or vitamin capsules, photographic films, papers, and cosmetics. It is less expensive than gelatin to produce. It is brittle when dry, and rubbery when moist 04e471eb28

Gelatin is a natural polymer... 04e471eb28

Dietary supplement Animals can also be a source of supplement ingredients; for example, collagen may be extracted from chickens or fish. However, they may still be marketed as having a beneficial biological effect. The classes of nutrient compounds in supplements include vitamins, minerals, fiber, fatty acids, and amino acids. g. "vitamers", (e. They may also be enhanced with nutrient ingredients. A supplement can provide nutrients that are either extracted from food sources or are synthesized (to increase the quantity of their consumption). Supplements are sold in multiple doses, ranging from one time usage to entire courses. The list: vitamins A, C, D, E, K, Thiamine (B1), Riboflavin A dietary supplement is a manufactured product intended to supplement a person's diet in the form of a pill, capsule, tablet, powder, or liquid. , vitamin E includes tocopherols and tocotrienols, vitamin K includes vitamin K1 and K2). Dietary supplements may also contain substances that have not been confirmed as being essential to life, such as plant pigments or polyphenols, and so, by definition, are not necessarily nutrients 04e471eb28

Sublingual administration When a chemical comes Sublingual (abbreviated SL), from

the Latin for "under the tongue", refers to the pharmacological route of administration by which substances diffuse into the blood through tissues under the tongue. Some proteins, as well as vitamins and minerals, are also administered sublingually. opioid analgesics and tincture of cannabis 04e471eb28

The route or course the active substance takes from application location to the location where it has its target effect is usually rather a matter of pharmacokinetics (concerning the processes of uptake, distribution, and elimination of drugs). Exceptions include the transdermal or transmucosal routes, which are still commonly referred to as routes of administration. 04e471eb28 Routes of administration are generally classified by the location at which the substance is applied. Common examples include oral and intravenous administration. Routes can also be classified based on where the target of action is. Action may be topical (local), enteral (system-wide effect, but delivered through the gastrointestinal tract), or parenteral (systemic action, but is delivered by routes other than the GI tract). Route of administration and dosage form are aspects of drug delivery. 04e471eb28

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