Nitroglycerin Sublingual Tablets, USP

DESCRIPTION
Nitroglycerin tablets are sublingual compressed tablets that contain 0.3 mg or 0.4 mg of nitroglycerin as the nitroglycerin monoglycerate, USP; calcium carbonate, NF; pregelatinized starch, NF; povidone and silicon dioxide, NF

Nitroglycerin tablets are intended for sublingual or buccal administration and should not be swallowed.

CLINICAL PHARMACOLOGY
The principal pharmacological action of nitroglycerin is relaxation of vascular smooth muscle, the predominant effect being on the coronary arteries, peripheral arteries, and veins.

Nitroglycerin is rapidly absorbed when administered sublingually. Mean peak nitroglycerin plasma concentrations occur approximately 2 minutes after sublingual nitroglycerin administration and are sustained for at least 2-3 hours postdose. Effects persist for at least 25 minutes following sublingual administration.

Mechanism of Action:
Nitroglycerin tablets contain nitroglycerin monoglycerate, a water-soluble, rapidly absorbed prodrug of nitroglycerin. Intracellular nitric oxide is produced following nitroglycerin administration, leading to an increase in cyclic guanosine monophosphate (cGMP), which in turn inhibits the contractile effects of cyclic adenosine monophosphate (cAMP) and decreases vascular smooth muscle tone.

Nitroglycerin plasma concentrations decrease rapidly, with approximately 60% of the pharmacological activity of nitroglycerin. Higher plasma concentrations of the dinitro and mononitro metabolites are found, but their contribution to the duration of pharmacologic effect is limited.

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(sildenafil citrate), CIALIS® (tadalafil), or LEVITRA® (vardenafil hydrochloride), for erectile dysfunction, like VIAGRA®

Do not take

• if you ever had certain types of heart, blood vessel, or liver problems
• if you have had or you have a family history of heart disease
• if you have any of the following conditions:•
• have the following conditions:
• You should not take Nitroglycerin if you have the following conditions:
• very recent heart attack
• severe anemia
• increased pressure in the head

What should I tell my doctor before taking Nitroglycerin?

Before using Nitroglycerin, tell your doctor if:
• You are taking any medicines that reduce blood pressure.
• You are taking any diuretics (water pills).
• You are taking medications to treat depression or psychiatric illness.
• You are taking ergotamine or similar drugs for migraine headaches.
• You are taking aspirin.
• You are taking the blood thinner medicine heparin.
• You are taking any medicines for erectile dysfunction.
• You are pregnant or plan to become pregnant.
• You are breastfeeding.

How should I take Nitroglycerin?

• Do not chew, crush, or swallow Nitroglycerin tablets.
• You should sit down when taking Nitroglycerin tablets and use caution when you stand up. This eliminates the possibility of taking due to light-headedness or dizziness.
• One tablet should be absorbed during the course of the first pain.
• The dose may be repeated every 5 minutes until the chest pain is relieved.
• If the pain persists for a total of 15 minutes, or if the pain is different than you typically experience, call your doctor or seek emergency help.

Nitroglycerin may cause the following side effects:
• headache
• vertigo (a major symptom of balance disorder)
• dizziness
• weakness
• palpitations (unusual awareness of the heartbeat)
• flushing (warm or red condition of your skin)
• sweating
• nausea and vomiting
• low blood pressure upon rising from a seated position
• rapid or pounding heart
• lightheadedness or dizziness

Tell your doctor if you are concerned about any side effects you experience. These are not all the possible side effects of Nitroglycerin. For a complete list, ask your doctor or pharmacist.

How do I store Nitroglycerin?

Nitroglycerin tablets should be kept in the original glass container and tightly closed after each use to prevent loss of taste potency.

Store Nitroglycerin tablets at room temperature (between 68° and 77°F)