D camer, the use of diclofenac sodium gel is not recommended in patients with renal impairment or those with a history of hypersensitivity reactions to the drug. It is also contraindicated in patients with peptic ulcer disease, gastroesophageal reflux disease, or active bleeding.

Absorption

Diclofenac is rapidly absorbed following oral administration, with peak plasma concentrations achieved within 1-2 hours. The absolute bioavailability of oral diclofenac sodium is approximately 50-70%. Following topical administration, diclofenac sodium gel is absorbed in small quantities, with peak concentrations in the skin occurring within 1-2 hours. The bioavailability of diclofenac following topical administration is lower than that following oral dosing, and the systemic availability is estimated to be less than 1%.

Distribution

Diclofenac is distributed to most tissues and body fluids, with the highest concentrations found in skin, kidney, liver, and lung. The volume of distribution is approximately 300-400 L, which is much lower than that occurring after oral daily dosing of diclofenac sodium. The drug is extensively metabolized in the liver, with only 1-2% of the dose excreted unchanged in the urine.

Metabolism

Diclofenac is metabolized primarily in the liver by hepatic conjugation and oxidation. The major metabolic pathways involve glucuronidation, sulfation, and oxidation of the carboxyl group of the side chain or single or multiple hydroxylations resulting in several phenolic metabolites, most of which are converted to inactive compounds. The metabolites are then excreted primarily in the urine and to a lesser extent in the feces.

Biotransformation of diclofenac following oral administration involves conjugation at the carboxyl group of the side chain or single or multiple hydroxylations resulting in several phenolic metabolites, most of which are converted to inactive compounds. The metabolites are then excreted primarily in the urine and to a lesser extent in the feces.

Uses

Diclofenac sodium gel is indicated for the short-term treatment of osteoarthritis, rheumatoid arthritis, and acute gouty arthritis. It is applied topically to the affected skin to relieve pain and inflammation. It is not recommended for the treatment of osteoarthritis in the back of the hand, with the exception of gouty arthritis.

Contraindications

Diclofenac sodium gel is contraindicated in patients with a known hypersensitivity to diclofenac sodium, benzyl alcohol, or other components of the gel. It is also contraindicated in patients with a history of anaphylactoid reactions to aspirin or other nonsteroidal anti-inflammatory drugs (NSAIDs). Diclofenac sodium gel is not recommended for the treatment of patients with renal impairment or those with a history of gastrointestinal ulcers.
Diclofenac Sodium Gel is a medication used to treat in the treatment of moderate to severe plaque psoriasis. It is a topical gel that works by reducing inflammation and slowing the growth of skin cells. Diclofenac Sodium Gel is applied to the skin once or twice daily as needed and should be discontinued as soon as improvement is noted. Diclofenac Sodium Gel is not for use on the eyelids, lips, or other mucous membranes.

Diclofenac Sodium Gel is a member of a group of drugs called nonsteroidal anti-inflammatory drugs (NSAIDs). These drugs work by reducing symptoms of inflammation by blocking a certain natural chemical in your body called prostaglandins. Prostaglandins help cells in your body respond to injury or irritation.

Diclofenac Sodium Gel is applied to the skin and is for use under the care and supervision of a healthcare provider.

Diclofenac Sodium Gel contains Diclofenac sodium, which is a medication that works by reducing inflammation in the body. As a result, it may be used to treat pain and swelling caused by conditions such as arthritis, dental pain, and mild to moderate pain.

Side effects of Diclofenac Sodium Gel may include:

- Stomach pain
- Abdominal pain
- Diarrhea
- Nausea
- Vomiting
- Headache
- Dizziness
- Feeling weak
- Confusion
- Migraine

It is important to notify your healthcare provider if you experience any severe side effects or if you experience any new or unusual symptoms while using Diclofenac Sodium Gel.

Diclofenac Sodium Gel should be stored at room temperature.

Diclofenac Sodium Gel is not recommended for use during pregnancy or breastfeeding.

Diclofenac Sodium Gel should be used with caution in children and adolescents due to the risk of skin irritation or skin ulcers.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of allergy to Diclofenac Sodium Gel or any of its components.

Diclofenac Sodium Gel should be used with caution in individuals with a history of liver disease, kidney disease, or a history of taking other medications that may cause liver or kidney damage.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of stroke, heart attack, or other cardiovascular diseases.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of gastrointestinal bleeding or ulcers.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of blood clots or other conditions that may increase the risk of blood clots.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of severe allergic reactions such as anaphylaxis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of anemia or low blood cell counts.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of recent surgery or medical procedures that may cause bleeding.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of bleeding disorders.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of alcohol or drug use that may increase the risk of bleeding.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of poorly controlled diabetes.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of hypertension.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of peptic ulcer disease.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of Raynaud’s syndrome.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriasis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic arthritis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic vasculitis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic arthropathy.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic dermatitis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic joint disease.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic lichen planus.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic nodules.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic plaques.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic folliculitis.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic web angulation.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic pustules.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic erythroderma.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic exudative plaques.

Diclofenac Sodium Gel is not recommended for use in individuals with a history of psoriatic erythroderma.