

# Acyvir Cream

Aciclovir BP 5%

## Composition:

**Acyvir Cream:** Each gram cream contains Aciclovir BP 50 mg.

## Pharmacology:

Aciclovir is a synthetic purine nucleoside, active against Herpes Simplex Virus types 1 (HSV-1) and 2 (HSV-2). The inhibitory activity of Aciclovir is highly selective due to its affinity for the enzyme thymidine kinase (TK) encoded by HSV. This viral enzyme converts Aciclovir into Aciclovir monophosphate, a nucleotide analogue. The monophosphate is further converted into diphosphate by cellular guanylate kinase and into triphosphate by a number of cellular enzymes. Aciclovir triphosphate stops replication of herpes viral DNA. This is accomplished in three ways: 1) Competitive inhibition of viral DNA polymerase, 2) Incorporation into and termination of the growing viral DNA chain, and 3) Inactivation of the viral DNA polymerase.

## Indication:

**Acyvir Cream** is indicated for the treatment of recurrent herpes labialis (cold sores).

## Dosage and administration:

**Acyvir cream** should be applied to lesions 5 times daily for 4 days. Therapy should be initiated as early as possible following the onset of signs or symptoms of herpes labialis i.e., during the prodrome or when lesions appear. For adolescents 12 years of age and older, the dosage is the same as in adults.

## Contraindication:

Aciclovir cream is contraindicated in patients with known hypersensitivity to Aciclovir, Valacyclovir, or any component of the formulation.

## Warning and precaution:

**Aciclovir** cream should only be applied on the affected external aspects of the lips and face in patients with herpes labialis. Aciclovir cream is intended for cutaneous use only and should not be used in the eye or inside the mouth or nose.

## Side effect:

Common skin-related side effects that occurred when Aciclovir cream was applied include application site reactions. Aciclovir cream has the potential for irritation and contact sensitization.

## Use in pregnancy and lactation:

Pregnancy Category B. There are no adequate well-controlled studies in pregnant women. Aciclovir cream should be used during pregnancy only if clearly needed. Caution should be exercised when it is administered to a nursing mother.

## Pediatric use:

Safety and effectiveness in pediatric patients less than 12 years of age have not been established.

## Drug interactions:

No interactions have been found when using Aciclovir cream with other drugs. Since it is minimally absorbed into the bloodstream, systemic drug interactions are unlikely.

## Storage:

Store below 30°C in dry place & protected from light. Keep out of the reach of children.

## Packing:

**Acyvir Cream:** Each pack has a laminated tube containing 10 gm cream.