

Genclovir

Ganciclovir

Sterile Ophthalmic Gel

Presentation

Genclovir: Each gm sterile ophthalmic gel contains Ganciclovir USP 1.5 mg.

Pharmacological Action

Ganciclovir which is a guanosine derivative that upon phosphorylation inhibits DNA replication by herpes simplex viruses (HSV). Ganciclovir is transformed by viral and cellular thymidine kinases (TK) to Ganciclovir triphosphate, which works as an antiviral agent by inhibiting the synthesis of viral DNA in 2 ways: competitive inhibition of viral DNA-polymerase and direct incorporation into viral primer strand DNA, resulting in DNA chain termination and prevention of replication.

Indications

Ganciclovir is indicated for the treatment of acute herpetic keratitis (dendritic ulcers).

Dosage and Administration

The recommended dosing regimen for Ganciclovir is 1 drop in the affected eye 5 times per day (approximately every 3 hours while awake) until the corneal ulcer heals, and then 1 drop 3 times per day for 7 days.

Side Effects

Most common adverse reactions reported in patients were blurred vision (60%), eye irritation (20%), punctate keratitis (5%), and conjunctival hyperemia (5%).

Precautions

Topical Ophthalmic Use Only.

Ganciclovir ophthalmic gel is indicated for topical ophthalmic use only.

Avoidance of Contact Lenses.

Patients should not wear contact lenses if they have signs or symptoms of herpetic keratitis or during the course of therapy with Ganciclovir ophthalmic gel.

Contraindications

None

Use in Pregnancy & Lactation

Pregnancy Category C

There are no adequate and well-controlled studies in pregnant women. Ganciclovir ophthalmic gel should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers

Caution should be exercised when Ganciclovir ophthalmic gel is administered to nursing mothers.

Drug Interactions

The effects of some drugs can change if you take other drugs or herbal products at the same time. This can increase your risk for serious side effects or may cause your medications not to work correctly.

Storage Conditions

Store in a cool and dry place away from light. Keep out of reach of children. Do not touch tip of the tube surface since this may contaminate the Gel. After one month of the opening do not use the medicine of tube.

Commercial Pack

Genclovir: Each tube contains 5 gm sterile ophthalmic gel.