

Entecavir:

Class: Antiretroviral Agent, Reverse Transcriptase Inhibitor (Nucleoside)

Indications:

Treatment of chronic hepatitis B virus (HBV) infection, with compensated or decompensated liver disease, in patients with evidence of active viral replication and either evidence of persistent transaminase elevations or histologically-active disease.

Available dosage form in the hospital: 0.5 MG TABLETS, 1 MG TABLETS.

Trade Names:

Dosage:

-Hepatitis B virus (HBV) infection, treatment Oral:

-Nucleoside treatment naive: 0.5 mg once daily

-Lamivudine-refractory or -resistant viremia (or known lamivudine- or telbivudine-resistant mutations): 1 mg once daily

-Decompensated liver disease: 1 mg once daily

-HBV reinfection prophylaxis, post liver transplant (with or without HBIG) (unlabeled use): Oral: 0.5 mg once daily (Fung, 2011) or 1 mg once daily (Perrillo, 2012)

-HIV/HBV coinfection (unlabeled use): Oral:

-Nucleoside treatment naive: 0.5 mg once daily

-Lamivudine refractory or resistant: 1 mg once daily

-Treatment duration (AASLD Practice Guidelines, 2009):

Hepatitis Be antigen (HBeAg) positive chronic hepatitis: Treat ≥ 1 year until HBeAg seroconversion and undetectable serum HBV DNA; continue therapy for ≥ 6 months after HBeAg seroconversion

HBeAg negative chronic hepatitis: Treat > 1 year until hepatitis B surface antigen (HBsAg) clearance

Decompensated liver disease: Lifelong treatment is recommended.

Note: Patients not achieving a primary response (< 2 log decrease in serum HBV DNA) after at least 6 months of therapy should either receive additional treatment or be switched to an alternative therapy.

Renal Impairment :

Daily-dosage regimen preferred:

- Cl_{cr} ≥50 mL/minute: No dosage adjustment necessary.
- Cl_{cr} 30-49 mL/minute: Administer 50% of usual dose daily or administer the normal dose every 48 hours
- Cl_{cr} 10-29 mL/minute: Administer 30% of usual dose daily or administer the normal dose every 72 hours
- Cl_{cr} <10 mL/minute (including hemodialysis and CAPD): Administer 10% of usual dose daily or administer the normal dose every 7 days; administer after hemodialysis

Common side effect: Peripheral edema , Pyrexia , Ascites,
Headache ,fatigue ,dizziness, Hyperglycemia.

Pregnancy Risk Factor: C