**VEMLIDY** is indicated for the treatment of chronic hepatitis B virus (HBV) infection in adults with compensated liver disease.

**Dosing for VEMLIDY**¹

- **One pill**
- **Once daily, with food**
- **No dosage adjustment for patients with eCrCl ≥15 mL/min or ESRD receiving chronic hemodialysis**

- In patients on chronic hemodialysis, on hemodialysis days, administer VEMLIDY after completion of hemodialysis treatment
- VEMLIDY is *not recommended* in patients with ESRD (eCrCl <15 mL/min) who are not receiving chronic hemodialysis

<table>
<thead>
<tr>
<th>VEMLIDY 25 mg</th>
<th>eCrCl ≥50 mL/min</th>
<th>eCrCl 30-49 mL/min</th>
<th>eCrCl 10-29 mL/min*</th>
<th>ESRD on chronic hemodialysis</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tenofovir disoproxil fumarate 300 mg³,⁴</td>
<td>None</td>
<td>Every 48 hours</td>
<td>Every 72 to 96 hours</td>
<td>Every 7 days or after a total of approximately 12 hours of dialysis</td>
</tr>
<tr>
<td>Entecavir 0.5 mg³,⁴</td>
<td>None</td>
<td>0.25 mg once daily or 0.5 mg every 48 hours</td>
<td>0.15 mg once daily or 0.5 mg every 72 hours</td>
<td>0.05 mg once daily or 0.5 mg every 7 days</td>
</tr>
<tr>
<td>Entecavir 1 mg (lamivudine-refractory or decompensated liver disease)³,⁴</td>
<td>None</td>
<td>0.5 mg once daily or 1 mg every 48 hours</td>
<td>0.3 mg once daily or 1 mg every 72 hours</td>
<td>0.1 mg once daily or 1 mg every 7 days</td>
</tr>
</tbody>
</table>

**IMPORTANT SAFETY INFORMATION**

**BOXED WARNING: POSTTREATMENT SEVERE ACUTE EXACERBATION OF HEPATITIS B**

- Discontinuation of anti-hepatitis B therapy, including VEMLIDY, may result in severe acute exacerbations of hepatitis B. Hepatic function should be monitored closely with both clinical and laboratory follow-up for at least several months in patients who discontinue anti-hepatitis B therapy, including VEMLIDY. If appropriate, resumption of anti-hepatitis B therapy may be warranted.

*VEMLIDY is *not recommended* in patients with ESRD (eCrCl <15 mL/min) who are not receiving chronic hemodialysis.

*Generic tenofovir disoproxil fumarate and generic entecavir are therapeutically equivalent to the respective brand name drug. These generic drug products are designated Therapeutic Equivalence Code AB, which the FDA considers therapeutically equivalent to other pharmaceutically equivalent products. Please refer to the appropriate manufacturers of generic tenofovir disoproxil fumarate and generic entecavir for the full Prescribing Information.*

*Available in tablet or powder formulation for tenofovir disoproxil fumarate, or tablet or solution formulation for entecavir. Dosage shown is for adult patients with renal impairment.

This chart does not include the complete prescribing and dosing considerations for using these medications. Please refer to the full Prescribing Information for each medication. Comparison of agents does not imply comparable clinical effectiveness, safety, or tolerability. Individual prescribing decisions should be made at the discretion of the provider.

[Click here](#) for VEMLIDY full Prescribing Information, including **BOXED WARNING**.
WARNINGS AND PRECAUTIONS

- Risk of Development of HIV-1 Resistance in HBV/HIV-1 Coinfected Patients: Due to this risk, VEMLIDY alone should not be used for the treatment of HIV-1 infection. Safety and efficacy of VEMLIDY have not been established in HBV/HIV-1 coinfected patients. HIV antibody testing should be offered to all HBV-infected patients before initiating therapy with VEMLIDY, and, if positive, an appropriate antiretroviral combination regimen that is recommended for HBV/HIV-1 coinfected patients should be used.

- New Onset or Worsening Renal Impairment: Cases of acute renal failure and Fanconi syndrome have been reported with the use of tenofovir prodrugs. In clinical trials of VEMLIDY, there have been no cases of Fanconi syndrome or proximal renal tubulopathy (PRT). Patients with impaired renal function and/or taking nephrotoxic agents (including NSAIDs) are at increased risk of renal-related adverse reactions. Discontinue VEMLIDY in patients who develop clinically significant decreases in renal function or evidence of Fanconi syndrome. Monitor renal function in all patients – See Dosage and Administration.

- Lactic Acidosis and Severe Hepatomegaly with Steatosis: Fatal cases have been reported with the use of nucleoside analogs, including tenofovir DF. Discontinue VEMLIDY if clinical or laboratory findings suggestive of lactic acidosis or pronounced hepatotoxicity develop, including hepatomegaly and steatosis in the absence of marked transaminase elevations.

ADVERSE REACTIONS

Most common adverse reactions (incidence ≥5%; all grades) were headache, abdominal pain, cough, back pain, fatigue, nausea, arthralgia, diarrhea, and dyspepsia.

Click here for VEMLIDY full Prescribing Information, including BOXED WARNING on posttreatment severe acute exacerbation of hepatitis B.

DRUG INTERACTIONS

- Coadministration of VEMLIDY with drugs that reduce renal function or compete for active tubular secretion may increase concentrations of tenofovir and the risk of adverse reactions.

- Coadministration of VEMLIDY is not recommended with the following: oxcarbazepine, phenobarbital, phenytoin, rifabutin, rifampin, rifapentine, or St. John's wort. Such coadministration is expected to decrease the concentration of tenofovir alafenamide, reducing the therapeutic effect of VEMLIDY. Drugs that strongly affect P-glycoprotein (P-gp) and breast cancer resistance protein (BCRP) activity may lead to changes in VEMLIDY absorption.

Consult the full prescribing information for VEMLIDY for more information on potentially significant drug interactions, including clinical comments.

DOSE AND ADMINISTRATION

- Testing Prior to Initiation: HIV infection.

- Prior to or when initiating, and during treatment: On a clinically appropriate schedule, assess serum creatinine, estimated creatinine clearance, urine glucose, and urine protein in all patients. In patients with chronic kidney disease, also assess serum phosphorus.

- Dosage in Adults: 1 tablet taken once daily with food.

- Renal Impairment: Not recommended in patients with end stage renal disease (ESRD; eCrCl <15 mL/min) who are not receiving chronic hemodialysis; in patients on chronic hemodialysis, on hemodialysis days, administer VEMLIDY after completion of hemodialysis treatment.

- Hepatic Impairment: Not recommended in patients with decompensated (Child-Pugh B or C) hepatic impairment.