

<b>Table 44: Immunosuppressants [a]</b> (also see prescribing information)		
<b>Class or Drug</b>	<b>Mechanism of Action</b>	<b>Clinical Comments</b>
<ul style="list-style-type: none"> <li>• NRTIs</li> <li>• Dolutegravir (DTG)</li> <li>• Raltegravir (RAL)</li> <li>• Rilpivirine (RPV)</li> <li>• Doravirine (DOR)</li> </ul>	No significant interactions reported.	No dose adjustments are necessary.
Bictegravir (BIC)	<b>Cyclosporine</b> may increase BIC concentrations to modest degree via P-gP inhibition.	<b>Cyclosporine:</b> Monitor for BIC-related adverse effects.
Elvitegravir (EVG), boosted	<b>Everolimus, sirolimus, cyclosporine, tacrolimus:</b> Metabolism decreased by boosted EVG.	<ul style="list-style-type: none"> <li>• <b>Everolimus, sirolimus:</b> Do not use with boosted EVG.</li> <li>• <b>Cyclosporine, tacrolimus:</b> Dose based on TDM; monitor closely for adverse effects.</li> </ul>
Boosted PIs	<b>Everolimus, sirolimus, cyclosporine, tacrolimus:</b> Metabolism decreased by boosted PIs.	<ul style="list-style-type: none"> <li>• <b>Everolimus, sirolimus:</b> Do not use with boosted PIs.</li> <li>• <b>Cyclosporine, tacrolimus:</b> Dose based on TDM; monitor closely for adverse effects.</li> </ul>
<ul style="list-style-type: none"> <li>• Efavirenz (EFV)</li> <li>• Etravirine (ETR)</li> </ul>	<b>Cyclosporine, tacrolimus:</b> EFV or ETR may lower concentrations.	<p><b>Cyclosporine, tacrolimus:</b></p> <ul style="list-style-type: none"> <li>• Adjust dose of cyclosporine and tacrolimus based on efficacy and TDM.</li> <li>• Conduct TDM more frequently for 2 weeks when starting or stopping NNRTI therapy.</li> </ul>
<p><b>Abbreviations:</b> NNRTI, non-nucleoside reverse transcriptase inhibitors; NRTI, nucleoside reverse transcriptase inhibitor; P-gP, P-glycoprotein; PI, protease inhibitor; TDF, tenofovir disoproxil fumarate; TDM, therapeutic drug monitoring.</p> <p><b>Note:</b></p> <p>a. Cyclosporine can cause renal toxicity, which may be increased with coadministration of TDF. Clinicians are advised to monitor for signs of renal dysfunction in patients who are taking these 2 medications at the same time.</p>		