

## OSTEOPOROSIS DRUGS

### BISPHOSPHONATES, SERM, MONOCLONAL ANTIBODY, ANABOLIC AGENT, CALCITONIN

	INSTIs		NNRTIs		PIs
	<ul style="list-style-type: none"> <li>• BICTEGRAVIR (<i>Biktarvy</i>)</li> <li>• DOLUTEGRAVIR (<i>Tivicay, Triumeq, Juluca</i>)</li> <li>• RALTEGRAVIR (<i>Isentress</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• ELVITEGRAVIR/COBICISTAT (<i>Stribild, Genvoya</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• DORAVIRINE (<i>Pifeltro, Delstrigo</i>)</li> <li>• RILPIVIRINE (<i>Edurant, Complera, Odefsey, Juluca</i>)</li> </ul>	<ul style="list-style-type: none"> <li>• EFAVIRENZ (<i>Sustiva, Atripla</i>)</li> <li>• ETRAVIRINE (<i>Intelence</i>)</li> <li>• NEVIRAPINE (<i>Viramune</i>)</li> </ul>	Boosted with ritonavir ( <i>Norvir</i> ) or cobicistat <ul style="list-style-type: none"> <li>• ATAZANAVIR (<i>Reyataz, Evotaz</i>)</li> <li>• DARUNAVIR (<i>Prezista, Prezcobix, Symtuza</i>)</li> <li>• LOPINAVIR (<i>Kaletra</i>)</li> </ul>

### BISPHOSPHONATES

<ul style="list-style-type: none"> <li>• Alendronate (<i>Fosamax</i>)</li> <li>• Etidronate (<i>Didrocal</i>)</li> <li>• Risedronate (<i>Actonel</i>)</li> <li>• Zoledronic Acid (<i>Aclasta</i>)</li> </ul>					
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### SERM (selective estrogen receptor modulator)

<ul style="list-style-type: none"> <li>• Raloxifene (<i>Evista</i>)</li> </ul>					
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### MONOCLONAL ANTIBODIES AGAINST RANKL (RECEPTOR ACTIVATOR OF NUCLEAR FACTOR KAPPA-B LIGAND)

<ul style="list-style-type: none"> <li>• Denosumab (<i>Prolia</i>)</li> </ul>					
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### ANABOLIC AGENT

• Teriparatide ( <i>Forteo</i> )					
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### CALCITONIN

• Calcitonin					
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Legend:		No dose adjustment required.
		Use combination with caution. Adjustment in drug dose or frequency or additional/more frequent monitoring may be required. May wish to consult with a pharmacist knowledgeable in HIV drug interactions.
		Contraindicated/avoid combination.

### Mechanism of Drug Interactions, Management and Monitoring

Class	Mechanism of interaction	Main interacting ARVs	Management	Monitoring
Bisphosphonates, calcitonin, denosumab Raloxifene, teriparatide	Not metabolized by the liver.	None	May be used with all antiretrovirals	
	No reported CYP metabolism	None	May be used with all antiretrovirals	

A MANAGEMENT TOOL FOR **HIV** DRUG-DRUG INTERACTIONS

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