

Acid Suppressing Agents

Drug	Action	Comment
Antacids		
PIs		
atazanavir	Take medication 2h before or 1h after antacid	-
darunavir/rtv	Interaction unlikely	-
fosamprenavir	No dose adjustments needed	Amprenavir AUC decreased 18%, Cmin increased by 14%
indinavir	Minimal effect	-
lopinavir/rtv	No effect	-
nelfinavir	No effect	-
saquinavir/rtv	No effect	-
tipranavir/rtv	Take medication 2h before or 1h after antacid	TPV AUC and Cmin decreased ~30%
ritonavir boosted	No data	No formal study
NNRTIs/NRTIs¹		
All	No effect	-
Integrase		
raltegravir	Use with caution	No formal study, effects of ↑ gastric pH unknown, may increase levels of raltegravir, concomitant administration recommended only if unavoidable
CCR5		
maraviroc	No effect	-
H2-blockers		
PIs		
atazanavir	Take atazanavir at least 2h before or 10 hours after H2-antagonist	Famotidine may decrease atazanavir AUC by 18-41% If simultaneous administration is unavoidable, dose adjustments may be necessary. See prescribing information.
darunavir/rtv	No effect	-
fosamprenavir	Use with caution	Amprenavir AUC decreased 30%, Cmin unchanged
indinavir	Minimal effect	Indinavir absorption may be decreased by H2-antagonists
lopinavir/rtv	No effect	-
nelfinavir	No effect	-
saquinavir/rtv	No effect	-
tipranavir/rtv	Unknown	Theoretically, tipranavir AUC/Cmin decreases may be seen
ritonavir boosted	Minimal effect	Decrease in ritonavir exposure (6-18%) does not appear affect drug boosting
NNRTIs/NRTIs¹		
All	No effect	-
Integrase		
raltegravir	Use with caution	No formal study, effects of ↑ gastric pH unknown, may increase levels of raltegravir, concomitant administration recommended only if unavoidable
CCR5		
maraviroc	No effect	-

Drug	Action	Comment
Proton Pump Inhibitors (PPIs)		
<u>PIs</u>		
atazanavir	Refer to prescribing information	Atazanavir AUC decreased 80%; Use only recommended in antiretroviral naïve.
darunavir/rtv	No effect	-
fosamprenavir	No effect	-
indinavir	Minimal effect	Co-administration of omeprazole and unboosted indinavir resulted in decreased AUC and Cmin by 47% and 55% respectively. -Boosting with ritonavir minimized these effects
lopinavir/rtv	No effect	-
nelfinavir	Not recommended	Nelfinavir AUC and Cmin decreased by 36% and 39% respectively
saquinavir/rtv	Minimal effect	Simultaneous administration of saquinavir/rtv with omeprazole has been shown to increase saquinavir AUC and Cmin by 54% and 73% respectively. No dose adjustment recommendations can be made. Monitor for saquinavir toxicity.
tipranavir/rtv	Not recommended	Co-administration with omeprazole reduced omeprazole AUC 71%. No effect on tipranavir concentration was seen
ritonavir boosted	Minimal effect	Slight decrease in ritonavir exposure (6-18%) does not appear to have an impact on drug boosting
<u>NNRTIs/NRTIs</u>		
All	No effect	Excludes delavirdine
<u>Integrase</u>		
raltegravir	Use with caution	Raltegravir AUC increased >300% with omeprazole
<u>CCR5</u>		
maraviroc	No effect	-