

Tuberculosis Medication Drug Interactions

Drug	Action	Comment
Isoniazide		
<u>PIs</u> indinavir	Interaction unlikely	Isoniazide levels may be decreased by administration of indinavir but no adjustment is recommended. No data is available with boosted indinavir.
<u>NNRTIs</u> <u>NRTIs</u> Stavudine	Interaction unlikely Use with caution	- Increased risk of peripheral neuropathy when used together
<u>Integrase</u> <u>CCR5</u>	No data No data	- -
Rifampin		
<u>PIs</u> atazanavir darunavir/rtv fosamprenavir indinavir lopinavir/rtv nelfinavir saquinavir/rtv tipranavir/rtv	Contraindicated Contraindicated Contraindicated Contraindicated Contraindicated Contraindicated Contraindicated Contraindicated	Significantly decreases atazanavir levels Significantly decreases darunavir levels Significantly decreases fosamprenavir levels by 82% Significantly decreases indinavir levels by 89% Significantly decreases lopinavir levels by 75% Significantly decreases nelfinavir levels by 82% Significantly decreases saquinavir levels by 84% Significantly decreases tipranavir levels
<u>NNRTIs</u> delavirdine efavirenz etravirine nevirapine	Contraindicated efavirenz 800 mg QD Contraindicated Contraindicated	Significantly decreases delavirdine levels No dose adjustment necessary for rifampin; rifampin decreases EFV by 26% Significantly decreases etravirine levels Decreases nevirapine levels by 31-58%
<u>NRTIs</u> abacavir zidovudine other NRTI's	Use with caution Use with caution Interaction unlikely	Potential decrease in abacavir levels Rifampin significantly reduces zidovudine levels
<u>Integrase</u> <u>CCR5</u>	Raltegravir 800 mg BID Rifampin 600 mg daily Maraviroc 600 mg BID	Do not use maraviroc with rifampin if efavirenz is also being used

Drug	Action	Comment
Rifabutin		
<u>PIs</u> atazanavir	Rifabutin 150 mg TIW or QOD	Information is based on atazanavir alone, no information available on boosted atazanavir, levels of atazanavir were not affected clinically
darunavir/rtv	Rifabutin 150 mg QOD	Levels of darunavir may be increased by 57% but no dose adjustment is recommended, monitor for side effects
fosamprenavir indinavir	Rifabutin 150 mg QOD Rifabutin 150 mg QD Indinavir 1000-1200 mg Q8h	Further dose reduction may be needed Information based on indinavir alone
lopinavir/rtv nelfinavir	Rifabutin 150 mg TIW or QOD Rifabutin 150 mg QD	No clinically significant effect on nelfinavir
saquinavir/rtv tipranavir/rtv	Rifabutin 150 mg TIW Rifabutin 150 mg QOD	Do not use with unboosted saquinavir Further dose reduction may be needed, monitor for side-effects, no clinically significant effect on tipranavir
<u>NNRTIs</u> delavirdine	Contraindicated	
efavirenz	Increase rifabutin dose by 50%	Consider doubling rifabutin dose if given 2-3 times a week, no clinically significant effect on efavirenz
etravirine	See notes	Should not be given together if used with a boosted PI, if not with a boosted PI, rifabutin 300 mg QD can be used, may also decrease etravirine by 37%
nevirapine	Caution with use	Rifabutin 150 mg or 300 mg QD may be used but caution due to patient variability
<u>NRTIs</u> <u>Integrase</u> <u>CCR5</u>	Interaction unlikely Interaction unlikely No interaction in the absence of a PI	When given with tipranavir/r or fosamprenavir/r, maraviroc 300 mg BID should be used, if a different PI is used, maraviroc 150 mg BID should be used
Ethambutol		
<u>PIs</u>	Interaction unlikely	-
<u>NNRTIs</u>	Interaction unlikely	-
<u>NRTIs</u>	No data	-
<u>Integrase</u>	No data	-
<u>CCR5</u>	No data	-
Pyrazinamide		
<u>PIs</u>	Interaction unlikely	-
<u>NNRTIs</u>	Interaction unlikely	-
<u>NRTIs</u>	No data	-
<u>Integrase</u>	No data	-
<u>CCR5</u>	No data	-