

Antidepressant Drug Interactions

Drug	Action	Comment
Fluoxetine		
PIs atazanavir darunavir/rtv fosamprenavir indinavir lopinavir/rtv nelfinavir saquinavir/rtv tipranavir/rtv ritonavir boosted	Use with caution Use with caution Use with caution Use with caution Start at 20mg PO Q24H Use with caution Start at 20mg PO Q24H Start at 20mg PO Q24H Start at 20mg PO Q24H	- - - - Titrate slowly, monitor for side effects Titrate slowly, fluoxetine may inhibit formation of m8 metabolite via 2C19 inhibition Titrate slowly, monitor for side effects Titrate slowly, monitor for side effects Titrate slowly, monitor for side effects
NNRTIs efavirenz nevirapine	Interaction unlikely Interaction unlikely	- -
Integrase raltegravir	No data	-
CCR5 maraviroc	No data	-
Paroxetine		
PIs atazanavir darunavir/rtv fosamprenavir indinavir lopinavir/rtv nelfinavir saquinavir/rtv tipranavir/rtv ritonavir boosted	Use with caution Start at 20mg PO Q24H Use with caution Use with caution Start at 20mg PO Q24H Use with caution Start at 20mg PO Q24H Start at 20mg PO Q24H Start at 20mg PO Q24H	- Paroxetine AUC decreased ~ 39%; titrate dose to effect Paroxetine AUC decreased ~ 50%; titrate dose to effect - Titrate slowly, monitor for side effects Titrate slowly, paroxetine may inhibit formation of m8 metabolite via 2C19 inhibition Titrate slowly, monitor for side effects Titrate slowly, monitor for side effects Titrate slowly, monitor for side effects
NNRTIs efavirenz etravirine nevirapine	Interaction unlikely No dose adjustments Interaction unlikely	- Paroxetine AUC increased 3% -
Integrase raltegravir	No data	-
CCR5 maraviroc	No data	-

Drug	Action	Comment
Sertraline		
<u>PIs</u> lopinavir/rtv darunavir ritonavir boost other PIs <u>NNRTIs</u> efavirenz <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	Start at 50mg PO Q24H Start at 50mg PO Q24H Start at 50mg PO Q24H Use with caution Start at 50mg PO Q24H No data No data	Levels may increase, monitor for side effects Sertraline AUC decreased ~ 49%; titrate dose to effect Levels may increase, monitor for side effects - Decreases SRT levels ~ 40%; Titrate to clinical response - -
Citalopram		
<u>PIs</u> <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	No dose adjustments No dose adjustments No data No data	Use with caution levels of citalopram may increase Use with caution levels of citalopram may increase - -
Escitalopram		
<u>PIs</u> <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	No dose adjustments No dose adjustments No data No data	Use with caution, monitor for side effects Use with caution, monitor for side effects - -
Fluvoxamine		
<u>PIs</u> <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	Avoid combination Avoid combination No data No data	Not well tolerated Not well tolerated - -
Nefazodone		
<u>PIs</u> ritonavir boost other PIs <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	Decrease nefazodone by 50% Use with caution Use with caution Interaction unlikely Decrease dose to 150mg BID	Dose decrease when ritonavir >400mg/d, titrate slowly. Monitor for side effects – “pseudo-neurologic syndrome” Nefazodone levels may increase Nefazodone levels may decrease - -

Drug	Action	Comment
Mirtazapine		
PIs NNRTIs Integrase raltegravir CCR5 maraviroc	Use with caution Use with caution No data No data	Unknown interaction, no dose adjustment recommendations, monitor for side effects Unknown interaction, no dose adjustment recommendations, monitor for side effects - -
Bupropion		
PIs lopinavir/rtv ritonavir boost other PIs NNRTIs efavirenz Integrase raltegravir CCR5 maraviroc	Use with caution Use with caution Use with caution Use with caution No data No data	Bupropion AUC decreased ~ 57%; titrate dose to effect Bupropion AUC decreased 22%; titrate dose to effect - Bupropion AUC decreased 55%, t _{1/2} decreased from 24h to 16h - -
Venlafaxine		
PIs indinavir other PIs NNRTIs Integrase raltegravir CCR5 maraviroc	Use with caution Use with caution Use with caution Interaction unlikely Use with caution	Indinavir AUC decreased 28% Level of venlafaxine may increase, no dose adjustment recommendations - - -
Duloxetine		
PIs NNRTIs Integrase raltegravir CCR5 maraviroc	Use with caution Use with caution No data No data	Levels of duloxetine may increase, no dose adjustment recommendations Levels of duloxetine may increase, no dose adjustment recommendations - -
Amitriptyline		
PIs NNRTIs Integrase raltegravir CCR5 maraviroc	Elevated amitriptyline levels Interaction unlikely No data No data	Due to potential for side effects, doses above 100mg/d should be used with caution Exception: delavirdine which may increase AMT levels. - -

Drug	Action	Comment
Trazodone		
<u>PIs</u> ritonavir boost other PIs <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	Use with caution Use with caution Use with caution Interaction unlikely Interaction unlikely	Trazodone AUC increased 240% Caution with trazodone doses >300mg/d - - -
St. John's Wort		
<u>PIs</u> <u>NNRTIs</u> <u>Integrase</u> raltegravir <u>CCR5</u> maraviroc	Avoid combination Avoid combination No data No data	May decrease levels of PIs May decrease levels of NNRTIs - May decrease levels of MVC