**All Interactions with Raltegravir (Isentress)**

| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Antacids[525](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#525)  (Maalox, Mylanta, Riopan, Milk of Magnesia, others) | Maalox Extra Strength | 400 mg x 1 | - | Raltegravir AUC: no significant change; Cmax: increased 53%; Cmin: decreased 65% | - | - | No dose adjustment necessary |
| Atazanavir[461](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#461)  (ATV)(Reyataz) | 300 mg BID | 400 mg BID | - | RAL AUC: no significant change | - | - | Dose adjustment not established |
| Atazanavir[428](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#428)  (ATV)(Reyataz) | 300 mg BID on days 6-12 and days 13-26 | 400 mg BID on days 1-5 and days 13-26 | Atazanavir AUC: decreased 17%; Cmin: decreased 29% (compared to atazanavir BID) | Raltegravir AUC: increased 54%; Cmin: increased 48%; Cmax: increased 39% | Possibly increased raltegravir effects | - | Dose adjustment not established |
| Atazanavir[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (ATV)(Reyataz) | 300 mg with 100 mg ritonavir QD | 400 mg BID | - | Raltegravir AUC: increased 41%; Cmax: increased 24%; Cmin: increased 77% | Possibly increased raltegravir effects | - | No dose adjustment necessary |
| Atazanavir[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (ATV)(Reyataz) | 400 mg QD | 100 mg x 1 | - | Raltegravir AUC: increased 72%; Cmax: increased 53%; Cmin: increased 95% | Possibly increased raltegravir effects | - | No dose adjustment necessary |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Boceprevir[585](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#585)  (Victrelis) | 800 mg TID | 400 mg x 1 | No significant change | - | - | - | No dose adjustment necessary |
| Buprenorphine[575](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#575)  (Suboxone)(Buprenex) | stable dose for at least 3 weeks | 400 mg BID | No significant change | No significant change | - | - | No dose adjustment necessary |
| Darunavir[416](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#416)  (DRV)(Prezista) | 600 mg Q12H with 100 mg ritonavir Q12H | 400 mg Q12H | - | Raltegravir AUC: decreased 29%; Cmin: increased 38%; Cmax: decreased 33% | - | - | No dose adjustment necessary |
| Dasabuvir, Ombitasvir/Paritaprevir/Ritonavir[695](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#695)  (Viekira) | paritaprevir 150 mg with ritonavir 100 mg with ombitasvir 25 mg daily + dasabuvir 250 mg twice daily | 400 mg BID | - | Raltegravir AUC increased 134% | - | - | No dose adjustment necessary |
| Efavirenz[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (EFV)(Sustiva) | 600 mg QD | 400 mg x 1 | - | Raltegravir AUC: decreased 36%; Cmax: 36%; Cmin: decreased 21% | Possibly decreased raltegravir effects | - | No dose adjustment necessary |
| Efavirenz[436](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#436)  (EFV)(Sustiva) | 600 mg x 14 d | 400 mg x 1 | - | Raltegravir AUC: decreased 36%; Cmin: decreased 21%; Cmax: decreased 36% | - | Induction of UGT1A1 by efavirenz | No dose adjustment necessary |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Elbasvir/grazoprevir[733](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#733),[727](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#727)  (Zepatier) | Elbasvir 50mg QD with grazoprevir 100 mg QD | 400 mg BID | - | Increase RAL AUC 43% with grazoprevir | - | - | No dosage adjustment necessary |
| Etravirine[405](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#405)  (ETR)(Intelence) | - | 400 mg BID | Etravirine Cmin: increased 17% | Raltegravir Cmin: decreased 34% | - | - | No dose adjustment necessary |
| Etravirine[433](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#433)  (ETR)(Intelence) | 200 mg BID | 400 mg BID | Etravirine Cmin: increased 17% | Raltegravir Cmin: decreased 34% | - | - | No dose adjustment necessary |
| Famotidine[445](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#445)  (Pepcid) | 20 mg QD given 2 hours before raltegravir | 400 mg BID | - | Raltegravir AUC: increased 45%; Cmax: increased 60% | - | Possibly due to increased bioavailability due to increased gastric pH | No dose adjustment necessary |
| Fosamprenavir[440](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#440)  (FPV)(Lexiva) | 1400 mg BID | 400 mg BID | Amprenavir AUC: decreased 19%; Cmax: decreased 17%; Cmin: decreased 33% | Raltegravir AUC: decreased 29%; Cmin: decreased 68% | - | Possible induction of p-gp | No dose adjustment necessary |
| Fosamprenavir[440](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#440)  (FPV)(Lexiva) | 1400 mg QD with 100 mg ritonavir QD | 400 mg BID | Amprenavir Cmax: increased 27%; Cmin: decreased 17% | Raltegravir AUC: decreased 30%; Cmax: decreased 14%; Cmin: decreased 41% | - | Possible induction of p-gp | No dose adjustment necessary |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Fosamprenavir[440](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#440)  (FPV)(Lexiva) | 700 mg fosamprenavir BID with 100 mg ritonavir BID | 400 mg BID | Amprenavir AUC: decreased 25%; Cmin: decreased 33%; Cmax: decreased 25% | Raltegravir AUC: decreased 54%; Cmax: decreased 36%; Cmin: decreased 54% | - | Possible induction of p-gp | No dose adjustment necessary |
| Ginkgo biloba[619](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#619) | 120 mg BID | 400 mg x 1 | Ginkgo biloba AUC: increased 21%; Cmax: increased 44% | No significant change | - | Potential increase in raltegravir bioavailability | No dose adjustment necessary |
| Lamotrigine[437](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#437)  (Lamictal)(Lamictal) | 100 mg | 400 mg BID | No significant change | - | - | - | No dose adjustment necessary |
| Lopinavir/ritonavir[413](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#413)  (LPV/r)(Kaletra) | 400 mg/100 mg BID | 400 mg BID | No significant change | Raltegravir Cmin: decreased 30% | - | - | No dose adjustment necessary |
| Maraviroc[535](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#535)  (MVC)(Selzentry) | 300 mg Q12H | 400 mg Q12H | Maraviroc Cmin: decreased 21%; Cmax: decreased 20% | Raltegravir AUC: decreased 37%; Cmin: decreased 28%; Cmax: decreased 33% | - | - | No dose adjustment necessary |
| Midazolam[408](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#408)  (Versed)(Versed) | 2 mg x 1 | 400 mg BID | No significant change | - | - | - | No dose adjustment necessary |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Omeprazole[445](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#445)  (Prilosec)(Prilosec) | 20 mg QD | 400 mg BID | - | Raltegravir AUC: increased 39%; Cmax: increased 50%; Cmin: increased 24% | - | Possibly due to increased bioavailability due to increased gastric pH | No dose adjustment necessary |
| Omeprazole[444](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#444),[419](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#419)  (Prilosec)(Prilosec) | 20 mg QD x 4 days | 400 mg Q12H | - | Raltegravir AUC: increased 212%; Cmin: increased 46%; Cmax: increased 315% | - | Possibly due to increased bioavailability due to increased gastric pH | No dose adjustment necessary |
| Pravastatin[457](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#457)  (Pravachol)(Pravachol) | 40 mg QD | 400 mg BID | No significant change | Raltegravir AUC: no significant change; Cmax: increased 31%; Cmin: decreased 41% | - | - | No dose adjustment necessary |
| Pravastatin[465](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#465)  (Pravachol)(Pravachol) | 40 mg QD | 400 mg BID | No significant change | Raltegravir Cmax: increased 31%; Cmin: decreased 41% | - | - | No dose adjustment necessary |
| Rifabutin[432](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#432)  (Mycobutin)(Mycobutin) | 300 mg QD x 14 d | 400 mg BID | - | Raltegravir AUC: increased 19%; Cmax: increased 39%; Cmin: decreased 20% | - | - | No dose adjustment necessary |
| Rifampin[436](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#436),[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (Rifampicin)(Rifadin) | 600 mg QD | 400 mg x 1 | - | Raltegravir AUC: decreased 40%; Cmax: decreased 38%; Cmin: decreased 61% | Possibly decreased raltegravir effects | Induction of UGT 1A1 | Do not coadminister  *Alternative Agents*:  **Possibly rifabutin** |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Rifampin[418](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#418)  (Rifampicin)(Rifadin) | 600 mg QD | 800 mg Q12H | - | Raltegravir AUC: increased 27%; Cmin: decreased 53%; Cmax: increased 62% (compared to 400 mg raltegravir Q12H when given alone) | - | - | Use caution if this combination must be used  *Alternative Agents*:  **Rifabutin** |
| Rifampin[438](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#438)  (Rifampicin)(Rifadin) | 600 mg QD | 400 mg QD x 1 | - | Raltegravir AUC: decreased 40%; Cmin: decreased 61%; Cmax: decreased 38% | Decreased raltegravir effects | Induction of UGT1A1 by rifampin | Do not coadminister  *Alternative Agents*:  **Rifabutin** |
| Rifampin[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (Rifampicin)(Rifadin) | 600 mg QD | 800 mg BID | - | Raltegravir AUC: increased 27%; Cmax: increased 62%; Cmin: decreased 53% (all compared to raltegravir 400 mg BID) | - | Induction of UGT1A1 by rifampin | Do not coadminister  *Alternative Agents*:  **Rifabutin** |
| Rifapentine[693](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#693)  (Priftin)(Priftin) | 900 mg once weekly for 3 weeks or 600 mg once daily for 10 scheduled doses (days 1, 4–8 and 11–14) | 400 mg BID | - | When given with rifapentine once weekly for 3 weeks raltegravir AUC increased 79%, Cmax increased 89% and Cmin decreased 12%. When given with rifapentine for 10 daily doses, Cmin decreased 41% | Potential for increased raltegravir adverse effects if given with rifapentine once weekly; potential for decreased raltegravir effectiveness if rifapentine co-administered daily | - | Avoid co-administration |
| Rifapentine[589](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#589)  (Priftin) | 900 mg PO once weekly | 400 mg BID | - | Raltegravir AUC: increased 73%; Cmax: increased 89%; Cmin: decreased 44% | - | - | Do not coadminister |
| Rilpivirine[591](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#591)  (RPV)(Edurant) | 25 mg QD | 400 mg BID | - | Raltegravir Cmin: increased 27% | - | - | No dose adjustment necessary |
| **Coadministered Drug** | **Dose of Drug** | **Dose of Raltegravir** | **Effect on Drug Levels** | **Effect on Raltegravir Levels** | **Potential Clinical Effects** | **Mechanism of Interaction** | **Management** |
| Ritonavir[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (RTV)(Norvir) | 100 mg BID | 400 mg x 1 | - | Raltegravir AUC: decreased 16%; Cmax: decreased 24% | - | - | No dose adjustment necessary |
| Ritonavir[436](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#436)  (RTV)(Norvir) | 100 mg BID x 16 d | 400 mg x 1 | - | Raltegravir AUC: decreased 16%; Cmax: decreased 24% | - | Induction of UGT1A1 by ritonavir | No dose adjustment necessary |
| Simeprevir[727](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#727),[673](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#673)  (Olysio) | 150 mg QD x 7 days | 400 mg BID x 7 days | Simeprevir AUC decreased 11%; Cmin decreased 14% | Raltegravir Cmin: increased 14% | - | - | No dose adjustment necessary |
| Sofosbuvir[659](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#659)  (Sovaldi) | 400 mg x 1 | 400 mg QD | Sofosbuvir Cmax decreased 43%; AUC: decreased 27% | - | - | - | No dose adjustment necessary |
| Sofosbuvir/velpatasvir[751](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#751)  (Epclusa) | 400 mg/100 mg | 400 mg twice daily | - | Raltegravir Cmin increased 8%; AUC increased 5%. | - | - | No dose adjustment necessary |
| Telaprevir[637](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#637)  (Incivek) | 750 mg Q8H | 400 mg BID | No significant change | Raltegravir AUC: increased 31%; Cmax: increased 26%; Cmin: increased 78% | Possibly increased raltegravir effects | - | No dose adjustment necessary |
| Tenofovir disoproxil fumarate[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (TDF)(Viread) | 300 mg QD | 400 mg BID | - | Raltegravir AUC: increased 49%; Cmax: increased 64% | Possibly increased raltegravir effects | - | No dose adjustment necessary |
| Tipranavir[3](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#3)  (TPV)(Aptivus) | 500 mg BID with 200 mg ritonavir BID | 400 mg BID | - | Raltegravir AUC: decreased 24%; Cmax: decreased 18%; Cmin: decreased 55% | Possibly decreased raltegravir effects | - | Dose adjustment not established |
| Tipranavir[439](http://arv.ucsf.edu/insite?page=ar-00-02&param=5&post=4#439)  (TPV)(Aptivus) | 500/200 mg BID | 400 mg BID | - | Raltegravir AUC: decreased 24%; Cmin: decreased 55% | Induction of UGT1A1 by tipranavir/ritonavir | - | No dose adjustment necessary |
| "-" indicates that there are no data available | | | | | | | |

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